

AD-A062 044

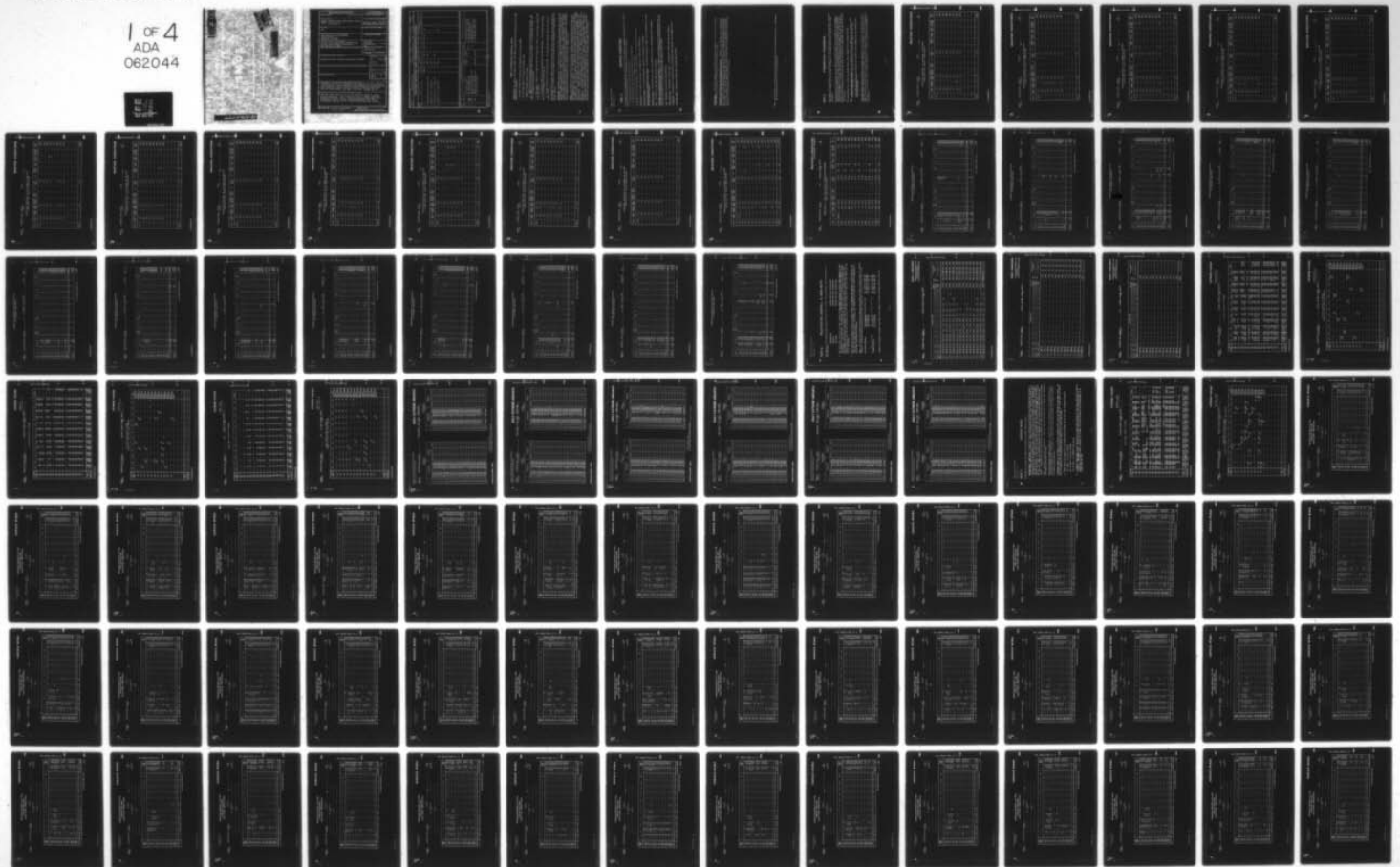
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KANEOHE --ETC(U)
JUL 78

F/G 4/2

NL

UNCLASSIFIED

1 OF 4
ADA
062044



UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Kaneohe Bay, HI		5. TYPE OF REPORT & PERIOD COVERED Reference report 1945-1977
7. AUTHOR(s) N/A		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N.C. 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Director, Naval Oceanography and Meteorology National Space Technology Laboratories NSTL Station, MS 39529		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE July 1978
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		ACCESSION for NTIS White Section <input checked="" type="checkbox"/> DDC Buff Section <input type="checkbox"/> UNANNOUNCED <input type="checkbox"/> JUSTIFICATION _____
18. SUPPLEMENTARY NOTES		BY _____ DISTRIBUTION/AVAILABILITY CODES Dist. AVAIL and/or SPECIAL
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Kaneohe, Bay, HI.		A
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.		

DD FORM 1473
1 JAN 73EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102- LF-014-6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY		STATION NAME		LONGITUDE		LATITUDE		STATION ELEV. (FT)		CALL SIGN		#MO NUMBER	
22519		Kaneohe Bay, Hawaii		157°47'W		21°27'N		18		PHNG		91176	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.		MCAS	1952	1962	21°27'N	157°47'W	9.8		
2.	Meteorology office, hangar 105	"	1962	1967	"	"	"		
3.	Weather office, hangar 105	"	1967		"	"	"		
1a.	Meteorology office, hangar 105	"	1962	1967	"	"	"		
2a.	Weather office, hangar 105	"	1967		"	"	11.5		

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1956	Atop control tower	UMQ-5	RD-108	72.4'	1. Barograph (Aero 1932 USN)
2.	1956	20' above hangar roof	"	"	"	2. Auto met station (GMQ-29)
3.	1961	12' atop control tower	"	"	"	3. Ceiling light (ML 121)
4.		Adjacent to & 366 yards from center line of runway			13'	4. Theodolite (ML 247)
5.	1977	Adjacent to & 366 yards from center line of runway	GMQ-29A	RO-447A		5. APT Recorder (Alden 9225N)
						6. Fax Recorder (Alden 18")

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

STATION 22519 KANEDHE BAY, HAWAII STATION NAME 73-77 YEARS MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	02		8.4				8.4						155
	05		9.0				9.0						155
	08		7.1				7.1						155
	11		3.2				3.2						155
	14		5.2				5.2						155
	17		4.3				4.5						155
	20	.6	8.4				8.4						155
	23		9.0				9.0						155
TOTALS		.1	6.9				6.9						1240

WEATHER CONDITIONS

22519 STATION

KANEOHE BAY, HAWAII

73-77

YEARS

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	02		5.0				5.0						141
	05		7.1				7.1						141
	08	.7	6.4				6.4						141
	11	.7	2.8				2.8						141
	14	.7	5.0				5.0						141
	17	.7	6.4				6.4						141
	20		1.4				1.4						141
	23	.7	2.1				2.1						141
TOTALS		.4	4.5				4.5						1126

WEATHER CONDITIONS

22519 STATION

KANELOE BAY, HAWAII

73-77

MAR MONTH

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	02		4.5				4.5	.6				.6	155
	05		8.4				8.4	.6				.6	155
	08		9.7				9.7						155
	11	.6	3.9				3.9						155
	14		4.5				4.5						155
	17		4.5				4.5						155
	20		3.9				3.9						155
	23	.6	6.5				6.5	.6				.6	155
TOTALS		.2	5.7				5.7	.2				.2	1240

WEATHER CONDITIONS

22519

KANEHOE BAY, HAWAII

73-77

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	02		6.0				6.0						150
	05	.7	6.0				6.0						150
	08		8.0				8.0						150
	11	.7	6.7				6.7						150
	14		6.0				6.0						150
	17		4.0				4.0						150
	20		3.3				3.3						150
	23	.7	6.0				6.0						150
TOTALS		.3	5.8				5.8						1200

WEATHER CONDITIONS

STATION 22519 KANEHE BAY, HAWAII STATION NAME YEARS 73-77 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	02		3.2				3.2						155
	05		4.5				4.5						155
	08		5.2				5.2						155
	11		5.2				5.2						155
	14	.6	2.6				2.6						155
	17		3.2				3.2						155
	20		3.2				3.2						155
	23		6.5				6.5						155
TOTALS		.1	4.2				4.2						1240

WEATHER CONDITIONS

22519

KANEHE BAY, HAWAII

73-77

JUN
MONTH

YEARS

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	02		2.0				2.0						150
	05		4.7				4.7						149
	08		3.3				3.3						150
	11		3.3				3.3						150
	14												150
	17		.7				.7						150
	20		1.3				1.3						150
	23		2.0				2.0						150
TOTALS			2.2				2.2						1199

WEATHER CONDITIONS

STATION 22519 KANEDHE BAY, HAWAII STATION NAME 73-77 YEARS MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	02		5.8				5.8						155
	05		5.8				5.8						155
	08		8.4				8.4						155
	11		3.2				3.2						155
	14		2.6				2.6						155
	17		.6				.6						155
	20		4.5				4.5		.6			.6	155
	23		1.3				1.3						155
TOTALS			4.0				4.0		.1			.1	1240

WEATHER CONDITIONS

22519

KANEODHE BAY, HAWAII

73-77

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	02		1.9				1.9						155
	05		1.9				1.9						155
	08		4.5				4.5						155
	11		1.9				1.9						155
	14		1.3				1.3						155
	17	.6	1.9				1.9						155
	20		1.3				1.3						155
	23		3.9				3.9						155
TOTALS		.1	2.3				2.3						1240

WEATHER CONDITIONS

STATION 22519 KANELOHE BAY, HAWAII STATION NAME 73-77 YEARS MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	02												149
	05		2.0				2.0						149
	08		1.3				1.3						149
	11		6.0				6.0						149
	14	.7	2.0				2.0						149
	17	.7	2.7				2.7						149
	20		4.7				4.7						149
	23		2.0				2.0						149
TOTALS		.2	2.6				2.6						1192

WEATHER CONDITIONS

22519

KANEUHE BAY, HAWAII

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	02		3.2				3.2						155
	05		1.9				1.9						155
	08		2.6				2.6						155
	11		1.3				1.3		.6			.6	155
	14		1.9				1.9		.6			.6	155
	17		2.6				2.6		.6			.6	155
	20		2.6				2.6						155
	23		1.3				1.3						155
TOTALS			2.2				2.2		.2			.2	1240

WEATHER CONDITIONS

22519

KANEODHE BAY, HAWAII

73-77

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	02	.7	5.4				5.4						149
	05	.7	4.7				4.7						150
	08		5.3				5.3						150
	11		4.7				4.7						150
	14	.7	5.3				5.3						150
	17	.7	4.7				4.7						150
	20		4.0				4.0						150
	23	.7	6.0				6.0						150
TOTALS		.4	5.0				5.0						1199

WEATHER CONDITIONS

22519 STATION

KANEDHE BAY, HAWAII

73-77

DEC MONTH

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	02		2.6				2.6						154
	05		1.3				1.3						154
	08		3.2				3.2						154
	11		4.5				4.5						154
	14		4.5				4.5						154
	17		4.5				4.5						154
	20		3.2				3.2						154
	23		1.9				1.9						155
TOTALS			3.2				3.2						1233

WEATHER CONDITIONS

22519 STATION

KANEHE BAY, HAWAII

73-77

ALL MONTH

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	6.9				6.9						1240
FEB		.4	4.5				4.5						1128
MAR		.2	5.7				5.7	.2				.2	1240
APR		.3	5.8				5.8						1200
MAY		.1	4.2				4.2						1240
JUN			2.2				2.2						1199
JUL			4.0				4.0		.1			.1	1240
AUG		.1	2.3				2.3						1240
SEP		.2	2.6				2.6						1192
OCT			2.2				2.2		.2			.2	1240
NOV		.4	5.0				5.0						1199
DEC			3.2				3.2						1233
TOTALS		.1	4.0				4.0	.0	.0			.0	14591

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

22519 STATION

KANEHOE BAY, HAWAII

STATION NAME

49, 52-55, 57-65, 68-77

YEARS

ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	4.5	69.9				69.9	.3	1.3			1.5	617
FEB		4.5	64.7				64.7		.7			.7	535
MAR		4.2	75.9				75.9	.5	.5			1.0	589
APR		3.0	76.3				76.3		.4			.4	560
MAY		1.0	73.3				73.3	.3				.3	607
JUN		.2	74.0				74.0		.5			.5	600
JUL		.3	78.4				78.4	.3	.3			.6	629
AUG		.2	75.6				75.6						651
SEP		.9	72.7				72.7						587
OCT		3.4	68.5				68.5	.2	.5			.6	620
NOV		3.7	75.7			.2	75.7	.2				.2	600
DEC		1.8	70.2				70.2	.3				.3	620
TOTALS		2.3	72.9			.0	72.9	.2	.3			.5	7215

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22519

KANEHOE BAY, HAWAII

STATION

STATION NAME

JAN 1973 - DEC 1977

YEARS

JANUARY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET - SHOWERS ICE CRYSTALS	SNOW - GRAINS - PELLETS - SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		7.1						3.6						91.1
NNE		11.5						3.8						84.6
NE		2.3						2.3						95.5
ENE		3.8						.6						95.6
E	1.6	5.2						.4						92.8
ESE		6.7												93.3
SE	4.0	4.0												92.0
SSE		14.3												85.7
S		6.9												93.1
SSW		2.6												97.4
SW		4.8												95.2
WSW		14.0												86.0
W	2.6	21.1						2.6						73.7
WNW	6.7	13.3												80.0
NW														100.0
NNW		25.0												75.0
VARIABLE														
CALM		2.7												97.3
TOTAL	7	78						9						1147
% TOTAL	.6	6.3						.7						92.5

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22519

KANEIHE BAY, HAWAII

JAN 1973 - DEC 1977

FEBRUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " SLEETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		4.7												95.3
NNE		2.8												97.2
NE		6.0												94.0
ENE		4.2						.4						95.8
E		2.2						.4						97.6
ESE	2.0	4.0												94.0
SE		12.5												87.5
SSE		11.1												88.9
S		3.0						2.0						92.0
SSW		6.1												93.9
SW		5.3												94.7
WSW		7.7						7.7						92.3
W		21.4												78.6
WNW														100.0
NW														100.0
NNW		5.0						4.0						92.0
VARIABLE														
CALM		1.4												94.6
TOTAL	1	50						5						1077
% TOTAL	.1	4.4						.4						95.5

TOTAL NUMBER OF OBSERVATIONS

1,128

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22519
STATION

KANEHUE BAY, HAWAII
STATION NAME

JAN 1973 - DEC 1977
YEARS

MARCH
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		13.5												86.5
NNE	4.0	8.0												88.0
NE	9.9	6.5												92.5
ENE		3.5												96.5
E		3.5												96.5
ESE		8.0												92.0
SE		13.3												86.7
SSE		5.6												94.4
S		2.9												97.1
SSW		13.3						3.3						83.3
SW		5.3												94.7
WSW	11.8	5.9												82.4
W														100.0
WNW	6.7	13.3	6.7						13.3					73.3
NW		23.1						7.7						76.9
NNW	7.1	14.3	7.1						7.1					71.4
VARIABLE														
CALM	1.8	1.8												96.4
TOTAL	7	62	2					2	3					1168
% TOTAL	.6	5.0	.2					.2	.2					94.2

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22519

KANEODHE BAY, HAWAII

STATION NAME

JAN 1973 - DEC 1977

YEARS

APRIL

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	14.7												79.4
NNE	3.6	1.8												94.5
NE	1.3	4.5												94.2
ENE		3.2												96.8
E		5.3						.8						94.5
ESE	4.0	4.0												92.0
SE														100.0
SSE														100.0
S	6.3													93.8
SSW		30.0												70.0
SW		12.5												87.5
WSW														100.0
W														100.0
WNW		27.3												72.7
NW		16.7												63.3
NNW		8.3												91.7
VARIABLE														100.0
CALM														1130
TOTAL	8	61						3						94.2
% TOTAL	.7	5.1						.3						1,200

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22519

KANEUHE BAY, HAWAII

JAN 1973 - DEC 1977

MAY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		16.7												83.3
NNE														100.0
NE		2.3												97.7
ENE		3.1												96.9
E		3.0						.2						97.0
ESE		14.7												85.3
SE		25.0												75.0
SSE		16.7												83.3
S		13.6												86.4
SSW		10.0												90.0
SW		16.7												83.3
WSW		12.5												87.5
W														100.0
WNW														100.0
NW														100.0
NNW		25.0												75.0
VARIABLE														87.5
CALM		10.5												89.5
TOTAL		52						1						1188
% TOTAL		4.2						.1						95.8

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

JAN 1973 - DEC 1977
YEARS

JUNE
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		7.7												92.3
NE														100.0
ENE		2.2												97.8
E		2.3												97.7
ESE		3.3												96.7
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW		16.7												83.3
W														100.0
WNW														100.0
NW														100.0
NNW		20.0												80.0
VARIABLE														100.0
CALM														100.0
TOTAL		26												1173
% TOTAL		2.2												97.8

TOTAL NUMBER OF OBSERVATIONS

1,199

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22519

KANEOHE BAY, HAWAII

JAN 1973 - DEC 1977

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET - SHOWERS ICE CRYSTALS	SNOW - GRAINS - PELLETS - SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE		4.0												96.0
ENE		2.9												97.1
E		6.4												93.6
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM		8.3									8.3			83.3
TOTAL		50									1			1189
% TOTAL		4.0									.1			95.9

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 22519 KANEIHE BAY, HAWAII STATION NAME JAN 1973 - DEC 1977 MONTH AUGUST ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		9.1												90.9
NNE		2.4												97.6
NE		2.9												97.1
ENE		1.5												98.5
E		2.5												97.5
ESE		7.7												92.3
SE														100.0
SSE														100.0
S														100.0
SSW		25.0												75.0
SW														100.0
WSW														100.0
W		25.0						25.0						75.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														
CALM		5.7												94.3
TOTAL		29						1						1211
% TOTAL		2.3						.1						97.7

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

JAN 1973 - DEC 1977
YEARS

SEPTEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		3.6												96.4
NNE		1.7												98.3
NE		1.3												98.7
ENE		1.9												98.1
E		2.9												97.1
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW		7.1												92.9
SW		5.3						8.3						94.7
WSW		25.0												75.0
W														100.0
WNW														100.0
NW								14.3						85.7
NNW		14.3												85.7
VARIABLE														85.3
CALM														1161
TOTAL		31						2						97.4
% TOTAL		2.6						.2						97.4

TOTAL NUMBER OF OBSERVATIONS

1,192

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22519

KANEIHE BAY, HAWAII

STATION NAME

JAN 1973 - DEC 1977

YEARS

OCTOBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		9.5												90.5
NNE		10.0												90.0
NE		2.2												97.8
ENE		1.3												98.7
E	1.2	2.3									.6			96.9
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW														100.0
NW														100.0
NNW		11.1												88.9
VARIABLE														98.5
CALM		1.5												98.5
TOTAL	1	26												1210
% TOTAL	.1	2.1										.2		97.6

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22519 KANELOHE BAY, HAWAII JAN 1973 - DEC 1977 ALL

STATION NAME MONTH YEARS HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		6.0						2.0						94.0
NNE		6.7												93.3
NE		1.3												98.2
ENE		2.4												97.6
E		1.3						.3						98.4
ESE		3.8						3.7						96.2
SE		25.9												74.1
SSE		40.0												60.0
S		12.2	2.0											85.7
SSW		15.9												86.1
SW		3.3												96.7
WSW	5.3	10.5						10.5						78.9
W		15.0												85.0
WNW														100.0
NW														100.0
NNW		10.0												90.0
VARIABLE														
CALM		3.8												96.3
TOTAL	1	58	1					5						1137
% TOTAL	.1	4.8	.1					.4						94.8

TOTAL NUMBER OF OBSERVATIONS 1,199

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

JAN 1973 - DEC 1977
YEARS

DECEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		3.7												96.3
NNE		1.3												98.7
NE		4.8												99.2
ENE		1.1												98.9
E	.6	1.6												97.8
ESE		2.8												97.2
SE		14.3												85.7
SSE	9.1	9.1												81.8
S		6.7												93.3
SSW		2.3												97.7
SW														100.0
WSW		3.2												96.8
W		7.1												92.9
WNW		20.0												80.0
NW		14.3												85.7
NNW		50.0												50.0
VARIABLE														97.1
CALM														
TOTAL	4	36												1193
% TOTAL	.3	2.9												96.8

TOTAL NUMBER OF OBSERVATIONS

1,233

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22519

KANEOHE BAY, HAWAII

JAN 1973 - DEC 1977

ALL

ALL

HOURS (L.S.T.)

YEARS

STATION NAME

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.6	7.5						.8						91.7
NNE	.5	4.2						.4						94.9
NE	.2	2.9						.1						96.8
ENE		2.5						.0						97.5
E	.2	3.2						.2			.1			96.6
ESE	.5	4.7						.2						94.8
SE	.7	12.1						.7						87.2
SSE	1.5	13.6												84.8
S	.2	6.6	.2					.2						92.9
SSW		7.3						.4						92.3
SW		4.3												95.7
WSW	1.8	9.6						2.4						88.0
W	.6	10.9						1.3						87.8
WNW	2.2	8.8	1.1						2.2					87.9
NW		8.8						1.3						91.2
NNW	.8	16.0	.8					1.6	.8					82.4
VARIABLE														
CALM	.1	1.6												96.1
TOTAL	29	559	3					28	3		4			13984
% TOTAL	.2	3.8	.0					.2	.0		.0			95.8

TOTAL NUMBER OF OBSERVATIONS

14,591

NAVWEASERVCOM

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations

From beginning of record thru 1945	Snow depth at 0800 LST
Jan 46-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

U. S. Navy and Weather Bureau Stations

From beginning of record thru Jun 52	Snow depth at 0030 GCT
Jul 52-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

22519 KANEIHE BAY, HAWAII
STATION STATION NAME

65-69, 52-55, 57-64, 66-77
YEARS

PRECIP. SNOWFALL SNOW- DEPTH	NONE	TRACE	01	.02-.05	06-10	11-25	AMOUNTS (INCHES)										PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
							26-50	51-100	101-200	201-300	301-400	401-500	501-600	601-700	701-800	801-900			MEAN	GREATEST	LEAST
							3-5.4	5.5-10.4	10.5-15.4	15.5-20.4	20.5-25.4	25.5-30.4	30.5-35.4	35.5-40.4	40.5-45.4	45.5-50.4					
JAN	30.3	16.3	8.0	14.0	7.2	9.7	6.9	3.1	2.9	1.2	.5						53.5	651	5.70	15.54	.40
FEB	36.8	16.2	6.4	12.5	8.6	8.4	4.4	4.0	2.0	.7							47.0	593	3.55	16.04	.68
MAR	23.2	20.7	5.9	19.2	9.7	10.3	4.7	3.5	2.1	.7	.1						56.2	682	4.50	14.29	.54
APR	23.2	18.9	6.3	19.5	11.4	9.0	6.0	2.7	2.1	.6	.2						57.9	630	4.42	22.23	.84
MAY	27.1	21.0	9.1	21.1	8.7	8.4	2.2	1.5	.7	.3							51.9	682	2.12	7.03	.33
JUN	25.3	21.5	8.6	22.2	10.8	8.3	2.5	.6	.1								53.2	720	1.33	2.82	.48
JUL	21.8	18.0	9.1	23.0	11.3	10.3	5.0	1.5									60.2	744	1.88	4.32	.47
AUG	23.9	22.7	7.1	21.2	11.4	8.6	3.9	.7	.3	.1							53.4	744	1.69	5.76	.29
SEP	29.4	22.5	6.7	17.1	9.6	9.9	2.6	1.6	.7								48.1	690	1.80	4.54	.38
OCT	30.9	19.4	5.9	17.6	10.2	8.1	4.6	2.4	.9								49.7	744	2.16	5.44	.70
NOV	22.4	20.2	5.6	16.8	12.6	12.1	4.5	2.1	2.4	.9	.3						57.4	660	4.68	15.98	.69
DEC	26.9	16.0	5.9	17.3	8.3	13.3	5.9	3.2	3.0	.1							57.1	744	3.90	9.71	.42
ANNUAL	26.8	19.4	7.0	18.5	10.0	9.7	4.4	2.2	1.4	.4	.1	.0					53.8	8284	37.73		

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

22519 STATION KANEDHE BAY, HAWAII 45-49, 52-55, 57-64, 68-77
STATION NAME YEARS

AMOUNTS (INCHES)																	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.0-200.0	OVER 200.0			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.0-200.0	OVER 200.0					
SNOW- DEPTH	NONE	TRACE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN	100.0																651	.0	.0	.0	
FEB	100.0																509	.0	.0	.0	
MAR	100.0																651	.0	.0	.0	
APR	100.0																600	.0	.0	.0	
MAY	100.0																651	.0	.0	.0	
JUN	100.0																690	.0	.0	.0	
JUL	100.0																775	.0	.0	.0	
AUG	100.0																744	.0	.0	.0	
SEP	100.0																630	.0	.0	.0	
OCT	100.0																713	.0	.0	.0	
NOV	100.0																690	.0	.0	.0	
DEC	100.0																713	.0	.0	.0	
ANNUAL	100.0																8017	.0			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

22519 STATION KANEIHE BAY, HAWAII STATION NAME 49, 52-55, 57-64, 68-77 YEARS

5722 Daily Amounts Jan. 1969

AMOUNTS (INCHES)																	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN	GREATEST	LEAST					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4								
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120								
JAN	100.0														589						
FEB	100.0														424						
MAR	100.0														558						
APR	100.0														510						
MAY	100.0														527						
JUN	100.0														570						
JUL	100.0														651						
AUG	100.0														651						
SEP	100.0														510						
OCT	100.0														589						
NOV	100.0														570						
DEC	100.0														589						
ANNUAL	100.0														6738						

NAYWEASERVCOM

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)
 22519 KANEHOE BAY, HAWAII STATION NAME
 45-49, 52-55, 57-65, 68-77 YEARS
 STATION

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	3.39	.87	.24	4.18	1.70	.17	.11	1.10	.60	.30		1.26	
46	.83	.33	3.70	.99		.99	.52		.19	1.02	1.80	1.70	
47		1.68	.52	2.38	.31	1.31	.69	.25	1.77	.76	2.66	.57	
48			.48		.17	.48	.48	.29	.74	.23	1.44	.59	
49	6.52												
52								.10	.11	.80		.20	
53	.56	.78	1.98	.43	.19	.31	.32	.37	1.26	.18	.34	.28	1.98
54	1.36	1.48	1.52	1.47	.22	.36	1.00	.63	.32	.88	9.10	1.73	9.10
55	2.67	3.70	4.24	.29	.68	.10	.33	.39					
57										.42	3.28	1.86	
58	.41	2.31	11.61	.74	.50	.37	.47	1.94	.49				
59					.82	.10	.47	2.80	.65	.59	1.17	.35	
60	.91	1.63	2.71	.78	.79	.44	.30	.91	.59	1.07	.63	1.98	2.71
61	2.89	.34	.82	1.18	.30	.29	.72	.25	.98	1.11	2.32	.93	2.89
62	1.24	.93	1.81	.47	1.33	.16	.27	.15	.56	.49	.25	2.05	2.05
63	5.04	2.10	3.26	7.29	3.13	.23	.46	.13	.57	1.34	.21	.65	7.29
64	1.07	.18	2.56	1.76	.20	.30	.64	.34	1.01	1.30	.39	2.52	2.56
65													
68	3.31	3.88	.64	.29	1.08	.39	.35	.17	2.20	1.27	2.54	1.85	
69						.65	.80	.27	.29	.53	.67	1.45	3.88
70	1.72	.46	.18	.62	.22	.16	.34	.11	.25	.78	3.83	.33	3.93
71	1.76	1.12	.57	.96	.21	.84	.15	.30	1.26	.43	.57	1.92	1.92
72	8.44	.89	1.37	4.46	.66	.16	.38	.42	.22	.53	.36	.64	8.44
73	.16	.18	.18	.15	.63	.19	.65	.60	.21	.80	1.56	1.29	1.56
74	.80	.82	.51	.60	3.62	.61	.32	.18	.69	.37	1.19	.21	3.62
75	3.21	1.38	1.29	.34	.09	.08	.40	.14	.19	.34	3.84	.15	3.84
76	.45	2.45	1.51	2.35	.13	.17	.22	.16		.56	.25	.13	
77	.09	1.54	.61	1.00	2.03	.33	.32	.32	.20	.23	.43	.54	2.03
MEAN	2.24	1.38	1.92	1.56	.86	.38	.45	.51	.67	.69	1.78	1.05	3.85
S. D.	2.198	1.042	2.465	1.773	.969	.306	.214	.636	.539	.353	2.032	.750	2.441
TOTAL OBS.	651	593	682	630	682	720	744	744	690	744	660	744	8284

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

22519 KANEOHE BAY, HAWAII STATION NAME
45-49, 52-55, 57-65, 68-77 YEARS
20-77

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	651	509	651	600	651	690	775	744	630	713	690	713	8017

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

22519 STATION KANEHOE BAY, HAWAII STATION NAME 45-49, 52-55, 57-65, 68-77 YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46					.0 30			.0 29					SNOWFALL DAYS
47				.0 27				.0 29					SNOWFALL DAYS
48	.0 30												SNOWFALL DAYS
49		.0 27	.0 20										SNOWFALL DAYS
52									0		0	0	SNOWFALL DAYS
53		0											SNOWFALL DAYS
55		.0 27	.0					.0 8					SNOWFALL DAYS
57								.0 15					SNOWFALL DAYS
58		.0 17	.0 15	.0 14	.0 13	0							SNOWFALL DAYS
63	.0 28												SNOWFALL DAYS
68					.0 18								SNOWFALL DAYS
76								.0 29					SNOWFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

22519 KANEHOE BAY, HAWAII STATION NAME
49, 52-55, 57-65, 68-77 YEARS
22519 STATION

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49	0		0					0					
50													
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S. D.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL OBS.	589	424	538	510	527	570	651	651	510	589	570	589	6738

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

22519 KANELOHE BAY, HAWAII STATION NAME
49, 52-55, 57-65, 68-77 YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
46	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
47	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
48	0	0	0	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
49		0		0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
52				20									SNO DPTH DAYS
53					30				0		0	0	SNO DPTH DAYS
55		0							0				SNO DPTH DAYS
57		27							8				SNO DPTH DAYS
58										15			SNO DPTH DAYS
65	0	17	0	0	14	0	0		29				SNO DPTH DAYS
68	28				18								SNO DPTH DAYS
76									0				SNO DPTH DAYS
									29				SNO DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

JANUARY
MONTH

DAILY EXTREME AMOUNTS

1946-1949 1953-1955 9999-9999
YEARS

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.89	73	1961			
2	2.38	60	1969			
3	2.94	75	1969			
4	1.12	28	1969			
5	1.22	31	1971			
6	1.07	27	1964			
7	5.04	128	1963			
8	2.53	64	1949			
9	0.68	17	1969			
10	1.07	27	1965			
11	2.73	69	1975			
12	3.21	82	1975			
13	1.26	32	1971			
14	0.91	23	1960			
15	0.84	21	1949			
16	6.52	166	1949			
17	2.40	61	1949			
18	0.59	15	1949			
19	0.96	24	1949			
20	0.23	6	1976			
21	2.87	73	1955			
22	0.45	11	1963			
23	8.44	214	1972			
24	2.15	55	1943			
25	1.82	46	1946			
26	1.72	44	1970			
27	2.47	63	1948			
28	1.24	31	1962			
29	0.40	10	1946			
30	3.31	84	1969			
31	3.39	86	1946			
Monthly	8.44	214	1972			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.88	99	1969			
2	0.40	10	1946			
3	0.87	22	1944			
4	0.57	14	1975			
5	0.78	20	1948			
6	2.45	62	1976			
7	3.15	80	1955			
8	3.47	88	1949			
9	0.46	12	1970			
10	0.26	7	1974			
11	1.54	39	1977			
12	0.90	23	1955			
13	0.40	10	1963			
14	0.34	9	1961			
15	0.51	13	1969			
16	0.93	24	1962			
17	0.43	11	1955			
18	0.54	14	1955			
19	1.63	41	1960			
20	0.50	13	1953			
21	0.30	8	1954			
22	2.68	68	1955			
23	3.70	94	1955			
24	2.41	61	1955			
25	1.68	43	1948			
26	0.39	10	1954			
27	0.36	9	1954			
28	2.31	59	1958			
29	0.12	3	1964			
30						
31						
Monthly	3.88	99	1969			

* ALSO ON EARLIER YEARS

T - TRACE AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22519

KANEHUE BAY, HAWAII

STATION

STATION NAME

MARCH

MONTH

APRIL

MONTH

1946-1949 1953-1955 9999-9999

YEARS

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.26	83	1963			
2	0.51	13	1972			
3	1.37	35	1972			
4	1.51	38	1976			
5	11.61	295	1958			
6	2.15	55	1958			
7	0.64	16	1960			
8	1.23	31	1962			
9	1.28	33	1976			
10	1.56	40	1953			
11	1.98	50	1953			
12	0.93	24	1962			
13	1.77	45	1962			
14	1.81	46	1962			
15	0.50	13	1969			
16	0.51	13	1969			
17	1.32	39	1954			
18	0.91	23	1963			
19	0.30	8	1954			
20	0.57	14	1971			
21	0.82	21	1961			
22	4.24	108	1955			
23	0.46	12	1964			
24	0.97	25	1964			
25	0.74	19	1963			
26	2.04	52	1963			
27	0.23	6	1963			
28	1.29	33	1975			
29	1.34	34	1947			
30	3.70	94	1947			
31	0.63	16	1969			
Monthly	11.61	295	1958			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.42	11	1948			
2	2.66	68	1963			
3	2.34	59	1963			
4	0.76	19	1977			
5	0.98	25	1963			
6	1.61	41	1943			
7	0.99	25	1946			
8	1.11	28	1945			
9	0.36	9	1962			
10	1.20	30	1947			
11	0.35	9	1974*			
12	0.32	8	1963			
13	3.89	99	1963			
14	4.46	113	1972			
15	7.29	185	1963			
16	4.18	106	1945			
17	2.35	60	1976			
18	0.67	17	1977			
19	0.60	15	1974			
20	0.72	18	1964			
21	1.76	45	1964			
22	0.37	9	1976			
23	0.83	21	1945			
24	2.31	59	1945			
25	0.74	19	1958			
26	0.43	11	1963			
27	0.29	7	1963			
28	0.45	11	1970			
29	1.47	37	1954			
30	1.18	30	1961			
31	7.29	185	1963			
Monthly	7.29	185	1963			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION
22519

STATION NAME
KANEIHE BAY, HAWAII

YEARS
1945-1949 1953-1955 9999-9999

MAY MONTH

JUNE MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.70	43	1945			
2	1.08	27	1969			
3	0.52	13	1962			
4	0.49	12	1963			
5	1.33	34	1962			
6	1.00	25	1969			
7	0.45	11	1962			
8	0.22	6	1963			
9	0.28	7	1977			
10	0.28	7	1977			
11	0.66	17	1972			
12	2.03	52	1977			
13	0.79	20	1960			
14	3.13	80	1963			
15	3.62	92	1974			
16	0.23	6	1958			
17	0.13	3	1959			
18	0.24	6	1955			
19	0.19	5	1947			
20	0.35	9	1946			
21	0.76	19	1959			
22	0.19	5	1964			
23	0.16	4	1972			
24	0.15	4	1973			
25	0.82	21	1959			
26	0.23	6	1961			
27	0.68	17	1955			
28	0.10	3	1972			
29	0.25	6	1963			
30	0.98	25	1974			
31	0.22	6	1954			
Monthly	3.62	92	1974			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.25	6	1960			
2	0.99	25	1946			
3	0.16	4	1972			
4	0.24	6	1946			
5	0.33	8	1977			
6	0.14	4	1977			
7	0.19	5	1961*			
8	0.29	7	1961			
9	0.23	6	1946			
10	0.65	17	1969			
11	0.31	8	1953			
12	0.11	3	1948			
13	0.26	7	1961			
14	0.08	2	1973			
15	0.84	21	1971			
16	0.49	12	1971			
17	0.61	15	1974			
18	0.11	3	1976			
19	0.18	5	1977*			
20	1.31	33	1947			
21	0.28	7	1946			
22	0.43	11	1946			
23	0.21	5	1974			
24	0.16	4	1971			
25	0.32	8	1960			
26	0.39	10	1968			
27	0.44	11	1960			
28	0.34	9	1960			
29	0.48	12	1948			
30	0.36	9	1954			
31						
Monthly	1.31	33	1947			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
22519

KANEDHE BAY, HAWAII
STATION NAME

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.72	18	1961			
2	0.47	12	1958			
3	0.69	18	1947			
4	0.34	9	1954			
5	0.38	10	1959			
6	0.12	3	1976			
7	0.20	5	1969*			
8	0.52	13	1946			
9	0.65	17	1973			
10	0.50	13	1954			
11	0.56	14	1964			
12	0.26	7	1958			
13	0.44	11	1946			
14	0.46	12	1963			
15	0.32	8	1963			
16	0.58	15	1972			
17	0.47	12	1961			
18	0.40	10	1975			
19	0.23	6	1964			
20	0.10	3	1969*			
21	0.32	8	1964			
22	0.16	4	1964			
23	0.53	13	1964			
24	0.26	7	1975*			
25	0.64	16	1964			
26	0.80	20	1969			
27	0.37	9	1946			
28	1.00	25	1954			
29	0.89	23	1954			
30	0.37	9	1954			
31	0.17	4	1961			
Monthly	1.00	25	1954			

DAILY EXTREME AMOUNTS

1945-1949 1952-1955 9999-9999
YEARS

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.29	7	1958			
2	0.69	18	1958			
3	0.18	5	1958			
4	0.91	23	1960			
5	0.60	15	1945			
6	2.80	71	1959			
7	0.40	10	1959			
8	1.94	49	1958			
9	0.28	7	1959			
10	0.34	9	1955			
11	0.11	3	1977*			
12	0.26	7	1977*			
13	0.30	8	1971			
14	0.41	10	1958			
15	0.16	4	1954			
16	0.21	5	1960			
17	0.36	9	1959			
18	0.32	8	1955			
19	0.18	5	1961			
20	0.27	7	1964			
21	0.11	3	1947			
22	0.09	2	1954			
23	0.63	16	1954			
24	1.10	28	1945			
25	0.35	9	1958			
26	0.42	11	1972			
27	1.60	41	1946			
28	1.20	30	1946			
29	0.13	3	1972			
30	0.27	7	1955			
31	0.10	3	1952			
Monthly	2.80	71	1959			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22519 STATION

KANEHOE BAY, HAWAII
STATION NAME

SEPTEMBER
MONTH

OCTOBER
MONTH

1945-1949 1952-1955 1959-1969
YEARS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.20	56	1968			
2	0.39	10	1974			
3	0.25	6	1947			
4	1.00	25	1947			
5	0.65	17	1959			
6	1.77	45	1947			
7	0.21	5	1960			
8	0.25	6	1970			
9	0.27	7	1974			
10	0.30	8	1947			
11	0.20	5	1960			
12	0.15	4	1962			
13	0.14	4	1970			
14	0.15	4	1946			
15	0.11	3	1961*			
16	0.37	9	1962			
17	0.57	14	1963			
18	0.16	4	1954			
19	0.21	5	1958			
20	0.22	6	1969			
21	0.34	9	1960			
22	1.01	26	1964			
23	0.60	15	1947			
24	1.26	32	1971			
25	0.98	25	1961			
26	0.28	7	1959			
27	0.29	7	1976			
28	0.44	11	1948			
29	0.60	15	1945			
30	1.87	47	1976			
31						
Monthly	2.20	56	1968			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

5724 DAILY AMOUNT MAR 1978

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.27	32	1968			
2	0.34	9	1970			
3	0.40	10	1970			
4	1.34	34	1963			
5	0.73	19	1952			
6	0.22	6	1975			
7	0.34	9	1975			
8	1.02	26	1946			
9	0.30	8	1946			
10	0.88	22	1954			
11	0.53	13	1969			
12	1.01	26	1961			
13	0.36	9	1973			
14	0.80	20	1973			
15	0.61	15	1961			
16	0.80	20	1952			
17	1.30	33	1964			
18	0.47	12	1960			
19	1.07	27	1960			
20	0.61	15	1960			
21	0.28	7	1969			
22	0.42	11	1968			
23	0.15	4	1963			
24	0.14	4	1963			
25	0.76	19	1947			
26	0.28	7	1961			
27	0.55	14	1974			
28	0.53	13	1972			
29	0.58	15	1970			
30	0.40	10	1971			
31	1.11	28	1961			
Monthly	1.34	34	1963			

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

22519

KANEHE BAY, HAWAII

STATION

STATION NAME

1945-1949 1952-1955 9999-9999

YEARS

NOVEMBER

DECEMBER

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.32	59	1961			
2	0.94	24	1961			
3	0.35	9	1959			
4	0.19	5	1959			
5	0.94	24	1970			
6	0.36	10	1972			
7	1.44	37	1948			
8	1.17	30	1959			
9	0.20	5	1971			
10	2.66	68	1947			
11	0.27	7	1977			
12	0.33	8	1969			
13	1.80	46	1946			
14	1.20	30	1968			
15	1.24	31	1946			
16	0.29	7	1970			
17	1.19	30	1974			
18	0.26	7	1961			
19	1.35	34	1952			
20	3.43	87	1952			
21	1.31	33	1957			
22	1.11	28	1957			
23	3.28	83	1957			
24	1.83	46	1975			
25	3.84	98	1975			
26	3.93	100	1970			
27	0.95	24	1975			
28	9.10	231	1954			
29	5.57	141	1954			
30	1.31	33	1968			
31						
Monthly	9.10	231	1954			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.32	34	1968			
2	0.47	12	1957			
3	0.69	18	1968*			
4	1.98	50	1960			
5	1.04	26	1945			
6	1.86	47	1957			
7	1.62	41	1946			
8	1.70	43	1946			
9	1.26	32	1945			
10	2.52	64	1964			
11	0.58	15	1963			
12	0.64	16	1963			
13	0.26	7	1962*			
14	1.96	50	1962			
15	0.43	11	1954			
16	1.33	34	1964			
17	2.05	52	1962			
18	0.64	16	1972			
19	2.31	59	1964			
20	0.45	11	1968			
21	1.46	37	1946			
22	0.33	8	1964			
23	0.46	12	1946			
24	0.52	13	1969			
25	1.85	47	1968			
26	0.54	14	1963			
27	1.45	37	1969			
28	0.21	5	1969			
29	0.17	4	1954			
30	1.11	28	1973			
31	0.45	11	1977*			
Monthly	2.52	64	1964			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NWSD, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

22519 KANEHOE BAY, HAWAII 45-49, 52-55, 57-65, 68-77
STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				SSW 30SE 18E			33E	30ENE 30E	30ENE 30E	30E	35N	40	
46	NE 28ENE 30E	29E		29NE 21E		26E	31E	30E	35ESE 38NNW	38E	38E	43	E 43
47	NNW 35ENE 37ENE 37			ENE 41ENE 34ENE 30E		34ENE 30E	33E	33E	31E	38E	34E	42	
48	N 53E 35E 42E	36E		36E		31E	37E	32E	33	E	40E	42	
49	SW 53SE 36E												
52													
53	SW 32E	36ENE 33NW 34											
54	SSW 61N 52NNE 51SSW 52												
55	SSW 42			ESE 40ENE 32									
57							ENE 35			ENE 28SSW 43ESE 41			
58	NNW 33SSW 36SW 30E			33ENE 29ENE 31E		38ENE 46ENE 29							
59				ENE 33ENE 30E		31SE 43E							
60	ENE 45N 39SSW 33E			29ENE 31E		29E				26NE 39ENE 40			ENE 45
61	SW 36E 36E 37ESE 36E			30ESE 36E		28E				34ENE 28E 30NNE 29			E 40
62	SSW 43NNW 32SW 34E			28ENE 29ENE 27ENE 28ENE 26ENE 27E		40E				30ENE 36ENE 39E 30			SSW 43
63	SW 73SW 65NW 41NE 34NNE 30ENE 31ENE 28ENE 24E			34NNE 30ENE 31ENE 28ENE 24E						34ENE 31WSW 32			SW 73
64	NE 30NE 33NNE 30ENE 32ENE 29NE 32NE 28ENE 28ENE 32NE 35S			32ENE 29NE 32NE 28ENE 28ENE 32NE 35S						26ENE 26NNW 34			S 56
65	S 32												
68	S 40NE 35NE 28NE 33NE			31NE 25NE						NNE 28E 23	NNE 37NW 36		NNW 41
69	SSW 83NNW 35NE 31NE 28NE			29NE 28NE		30NE				25NE 25NE 32NNW 41			SSW 83
70	S 5505 3618 3505 3005			2504 2405		2805				30SW 29NE 35			S 55
72	11 2818 4517 3706 2902			2605 2809		2905				2706 3309 3121 32			18 43
73	06 2903 2708 3208 3311			2809 3108		3109				2707 2709 2927 32			08 33
74	24 4407 2624 4408 3210			2709 2508		2708				2814 2807 2734 2908 31			24 44
75	07 3304 2834 3007 3212			2909 2906		2506				2811 2719 30			
76	20 47			12 31		10 24				08 2323 31			
77	02 2509 3306 2708			2908 2707 29						07 2704 3409 3224 33			
MEAN	43.3	37.0	44.5	32.8	29.2	29.3	30.2	29.9	29.4	30.0	33.7	37.5	50.1
S. D.	15.475	9.142	42.187	5.421	4.826	3.250	4.141	5.706	3.259	5.000	4.323	6.738	14.563
TOTAL OBS.	613	614	613	621	612	567	704	677	680	647	683	677	7710

NAVWEASERVCOM

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6	.6								2.6	7.5
NNE			1.9									1.9	9.0
NE	.6	1.3	2.6									4.5	6.4
ENE		1.9	5.2	1.9	1.9							11.0	10.8
E	1.9	3.9	3.9	9.0	1.3							20.0	10.1
ESE													
SE	.6		.6	.6								1.9	7.3
SSE	2.6	1.9										4.5	3.4
S	2.6	5.8	1.3	1.9								11.6	6.6
SSW	6.5	.6										7.1	2.5
SW	3.2	.6	1.3			.6						5.8	6.1
WSW	.6	1.3	1.9	.6		.6						4.5	7.6
W	.6	2.6										3.9	7.8
WNW		1.3										1.3	4.5
NW	1.3		.6									1.9	4.7
NNW				.6								.6	14.0
VARBL													
CALM												16.8	
	20.6	22.6	20.0	15.5	3.2	1.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519

KANEHOE BAY, HAWAII

STATION

73-77

STATION NAME

YEARS

JAN

MONTH

05

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	6.5
NNE			1.9									1.9	8.0
NE	1.3	1.3	1.3	1.3								5.2	7.1
ENE	1.3	2.6	4.5	3.9								12.3	8.7
E		3.9	7.1	5.2	2.6							18.7	10.3
ESE	.6	.6	1.3									2.6	5.8
SE	1.3	1.3										2.6	3.5
SSE	1.9	.6										2.6	3.3
S	5.8	5.2	1.9									12.9	4.4
SSW		2.6		1.3	.6							4.3	8.7
SW	2.6	1.3	.6	1.3								5.8	6.1
WSW	.6		.6	.6	.6							3.2	14.4
W	3.2	.6	1.3									5.2	3.8
WNW	.6	1.3										1.9	4.0
NW		1.3										1.3	5.0
NNW													
VARBL													
CALM												18.1	
	19.4	23.2	21.3	13.5	3.9	.6						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										1.3	7.0
NNE		1.3	1.3									2.6	5.8
NE	.6	1.9	1.9	1.3								5.8	7.7
ENE	.6	3.2	1.9	3.2	1.3							10.3	9.9
E	1.3	1.3	10.3	6.5	1.3							20.6	9.8
ESE			.6									.6	8.0
SE													
SSE	.6	.6										1.3	3.5
S	5.8	5.8	3.2	1.9								16.8	5.5
SSW	4.5	1.9	.6									7.1	3.5
SW	1.3	.6	1.9		.6							4.5	7.9
WSW	.6				.6							1.3	11.0
W	1.9	.6	1.3	1.3								5.2	6.6
WNW	.6	1.3	.6									2.6	4.8
NW		.6	.6									1.3	6.0
NNW													
VARBL													
CALM												18.7	
	18.1	20.0	25.2	14.2	3.9							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHUE BAY, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	1.9	.6	.6								7.7	4.2
NNE	.6	1.9		1.3								3.9	7.2
NE	.6	3.2	3.2									7.1	6.8
ENE		.6	5.8	5.8	.6							12.9	11.3
E	1.9	1.3	7.7	8.4	1.9							20.0	11.1
ESE	.6	.6	3.9	.6								7.7	7.0
SE	1.9	.6	1.9	.6								3.9	7.3
SSE	.6	.6	.6									3.2	3.8
S	.6	3.9	1.9	1.3								7.7	7.1
SSW		1.3	1.3	1.3	.6							4.5	10.7
SW	.6	.6	.6	.6								2.6	6.8
WSW	.6		1.3	.6								2.6	8.3
W	1.3	.6	.6									2.6	4.0
WNW	.6											.6	3.0
NW		.6										.6	4.0
NNW	.6		.6	1.9								3.2	9.4
VARBL													
CALM												9.0	
	14.8	19.4	30.3	23.2	3.2							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.5	1.9	1.9								9.0	7.0
NNE	1.3	2.6	2.6	.6								7.1	6.8
NE		3.9	1.9	1.9								7.7	8.1
ENE		3.9	4.5	6.5	.6							15.5	9.6
E	1.3	1.9	7.1	10.3								20.6	10.8
ESE		.6	1.9	1.9								4.5	9.1
SE	.6	.6	1.9	.6								4.5	8.9
SSE		1.3	.6									1.9	6.0
S		2.6	1.9	3.2								7.7	9.3
SSW	.6	.6	2.6									3.9	7.5
SW	.6	.6	2.6	1.3	.6							5.8	9.4
WSW			.6	1.3	.6	.6						3.2	14.6
W			.6	.6								1.3	12.5
WNW													
NW	1.3											1.3	1.5
NNW	.6	.6	.6	1.3								3.2	6.6
VARBL													
CALM												2.6	
	7.1	23.9	31.6	31.6	2.6	.6						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22519

STATION NAME
KANEHE BAY, HAWAII

YEARS
73-77

MONTH
JAN

CLASS

ALL WEATHER

MOUSE (L.S.T.)

17

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.9	1.9	2.6								9.7	7.1
NNE	3.2	3.2	2.6									5.0	5.0
NE	1.9	4.5	1.9	1.3								9.7	6.1
ENE	.6	5.2	5.2	4.5	.6							16.1	8.8
E	.6	1.3	7.7	7.7	1.9							19.4	11.2
ESE		.6	2.6									3.2	9.0
SE		.6	.6									1.3	7.0
SSE		.6										.6	5.0
S	.6	4.5	2.6	.6	.6							9.0	7.6
SSW		1.3	2.6	.6								4.5	8.1
SW	.6		1.9	.6	1.9							5.2	12.0
WSW		.6	.6	1.9								3.2	10.2
W		.6	.6	.6								1.9	9.3
WNW													
NW													
NNW	.6	1.3	1.3	1.9								5.2	8.3
VARBL												1.9	
CALM													
	9.7	28.4	32.3	22.6	5.2							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22519

KANEUHE BAY, HAWAII

73-77

JAN

STATION NAME

YEARS

MOUTH

ALL WEATHER

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.9	1.3								3.2	9.0
NNE	.6	1.9	.6	.6								3.9	6.2
NE	1.9	3.9	2.6	1.3								9.7	6.5
ENE	1.9	3.2	2.6	3.9	1.3							12.9	9.4
E	2.6	1.9	6.3	7.1	1.9							20.0	10.1
ESE		.6										.6	4.0
SE	.6											.6	2.0
SSE	1.3											1.3	2.0
S	2.6	2.6	5.2	.6								11.0	6.5
SSW	1.3	4.3	1.3									7.1	5.5
SW	3.2	1.3	1.3									5.8	4.2
WSW	.6	1.9	.6	.6								4.5	8.6
W	.6		.6	.6								1.9	9.0
WNW		1.9										1.9	4.3
NW													
NNW		1.3	.6	1.3								3.2	9.4
VARBL													
CALM												12.3	
	17.4	25.2	23.9	17.4	3.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

153

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEAR

JAN
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6	.6								1.3	11.0
NNE	.6	.6	1.3	.6								3.2	7.4
NE	2.6	2.6	1.3	.6								7.1	5.1
ENE			5.8	4.5	.6							11.0	11.2
E	1.3	3.2	8.4	9.0	.6							22.6	9.8
ESE													
SE	.6		.6									1.3	4.5
SSE	1.3			1.3								2.6	7.5
S	1.3	4.5	1.3	.6								7.7	6.1
SSW	3.9	5.8	1.3									11.0	4.4
SW	2.6	1.3		.6	.6							5.2	6.3
WSW	1.9	.6	.6	1.9								5.2	7.1
W	1.3	.6	.6	.6								2.6	5.5
WNW			.6									1.3	11.0
NW	.6											1.3	3.5
NNW													
VARBL													
CALM												16.6	
	18.1	20.0	21.9	21.3	1.9							100.0	6.4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	1.1	1.0								4.3	6.8
NNE	.8	1.5	1.5	.4								4.2	6.5
NE	1.2	2.8	2.1	1.0								7.1	6.7
ENE	.6	2.6	4.4	4.3	.9							12.7	9.9
E	1.1	2.4	7.3	7.9	1.5							20.2	10.4
ESE	.3	.5	1.3	.3								2.4	7.6
SE	.6	.4	.7	.2	.1							2.0	6.7
SSE	1.2	.7	.2	.2								2.3	4.3
S	2.4	4.4	2.4	1.3	.1							10.6	6.4
SSW	2.1	2.3	1.2	.4	.2							6.2	5.7
SW	1.9	.8	1.3	.6	.5	.1						5.1	7.3
WSW	.6	.6	.8	1.0	.3	.2						3.5	9.8
W	1.1	.7	.6	.5		.1						3.1	6.5
WNW	.2	.7	.2	.1								1.2	5.2
NW	.4	.4	.2									1.0	4.2
NNW	.2	.4	.4	.9								1.9	9.0
VARBL													
CALM												12.0	
	15.6	22.8	25.8	19.9	3.5	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22519

KANELOE BAY, HAWAII

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7	.7								2.1	9.0
NNE	1.4	2.1	1.4									5.0	5.0
NE	2.1	2.1	4.3	2.8								11.3	7.3
ENE	2.1	2.1	8.5	9.2								22.0	9.4
E	.7	2.1	11.3	8.5	.7							23.4	9.9
ESE		1.4	1.4	2.8								5.7	9.6
SE													
SSE	1.4	.7										2.1	3.7
S	2.1	.7	1.4		.7							5.0	6.7
SSW	3.5	.7	1.4		.7							6.4	5.2
SW	2.1	1.4										3.5	3.4
WSW		.7										.7	6.0
W	.7		1.4									2.1	7.0
WNW		.7										.7	5.0
NW		.7										.7	6.0
NNW				.7								.7	14.0
VARBL													
CALM												8.5	
	16.3	16.3	31.9	24.8	2.1							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

141

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEONE BAY, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

141

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.4	.7								2.8	8.5
NNE	.7		3.5									4.3	7.5
NE	2.8	5.7	2.8	2.1								13.5	6.4
ENE	.7	4.3	7.8	6.4	.7							19.9	9.5
E	1.4	3.5	9.9	7.1								22.0	8.9
ESE			2.8									2.8	8.5
SE	.7	.7	.7		.7							2.8	8.3
SSE			.7									.7	10.0
S	4.3	1.4	.7		1.4							7.8	5.8
SSW	2.8	2.1										5.0	3.4
SW	2.1	1.4										3.5	3.4
WSW	2.1											2.1	3.0
W	.7	.7										1.4	3.5
WNW		1.4										1.4	5.0
NW	.7											.7	1.0
NNW													
VARBL													
CALM												9.2	
	19.1	22.0	30.5	16.3	2.8							100.0	6.7

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.4	.7								2.1	9.7
NNE			1.4									1.4	10.0
NE	.7	1.4	7.8	2.6								12.8	8.5
ENE	1.4	1.4	8.5	9.2								20.6	10.0
E	1.4	2.8	8.5	10.6	.7							24.1	9.9
ESE	1.4	1.4	1.4	.7								5.0	6.1
SE	.7	.7	.7	.7								2.6	6.6
SSE		2.1										2.1	4.7
S	2.8	2.1		1.4								6.4	5.8
SSW	1.4	1.4										2.8	2.8
SW	.7	1.4	.7									2.5	4.5
WSW	2.1	.7										2.8	2.8
W	.7											.7	2.0
WNW	.7	.7										1.4	4.5
NW													
NNW			.7									.7	8.0
VARBL													
CALM												11.3	
	14.2	16.3	31.2	26.2	.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.4	2.1	.7								7.1	5.8
NNE	.7	1.4	5.0		.7							7.8	7.8
NE		1.4	7.1	5.7								14.2	9.6
ENE	.7	1.4	6.4	10.6								19.1	10.6
E	1.4	3.5	5.7	14.2	2.1							27.0	11.3
ESE			4.3	1.4								5.7	10.4
SE		.7										.7	4.0
SSE		2.1		.7								2.8	7.0
S	.7		.7	.7								2.1	9.7
SSW		.7										.7	4.0
SW													
WSW													
W	.7	.7										1.4	3.0
WNW		1.4	.7									2.1	5.7
NW	1.4											1.4	2.5
NNW	3.5	1.4	.7									5.7	3.4
VARBL													
CALM												2.1	
	12.1	16.3	32.6	34.0	2.6							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22519 KANEHOE BAY, HAWAII STATION NAME YEARS 73-77 MONTH FEB
CLASS ALL WEATHER HOURS (L.S.T.) 14

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.8	3.5	.7								7.8	6.8
NNE		4.3	4.3	1.4								9.9	7.5
NE	.7	3.5	9.2	4.3								17.7	8.0
ENE		.7	7.8	14.2	1.4							24.1	11.7
E		1.4	8.5	12.1	1.4							23.4	11.6
ESE		.7	4.3	2.1								7.1	9.5
SE			.7		.7							1.4	12.5
SSE			.7									.7	10.0
S		.7	.7			.7						2.1	13.3
SSW		.7										.7	4.0
SW			.7									.7	9.0
WSW													
W		.7										.7	6.0
WNW													
NW													
NNW		.7	.7	1.4								2.8	9.5
VARBL													
CALM												.7	
	1.4	16.3	41.1	36.2	3.5	.7						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	2.1	1.4								6.4	7.2
NNE	.7	2.8	3.5	1.4								8.5	7.2
NE		3.5	10.6	.7								14.9	7.8
ENE	.7	4.3	9.2	10.6	1.4							26.2	10.2
E		2.1	8.5	10.6								21.3	10.9
ESE		.7	2.1	2.1								5.0	10.1
SE		.7										.7	6.0
SSE		.7	.7									1.4	7.0
S			3.5	.7			.7					4.3	9.3
SSW												.7	28.0
SW													
WSW			.7									.7	8.0
W													
WNW		1.4										1.4	6.0
NW													
NNW	1.4	.7	2.8	.7								5.7	7.3
VARBL													
CALM												2.8	
	3.5	19.1	44.0	23.4	1.4		.7					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEODHE BAY, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4										1.4	4.0
NNE		2.1	4.3	.7								7.1	7.7
NE	2.8	5.7	3.5	4.3								16.3	7.4
ENE		2.8	7.6	7.1								17.7	10.0
E		2.6	13.5	11.3	1.4							29.1	10.5
ESE		.7	.7									1.4	7.5
SE		.7		.7								1.4	8.0
SSE	.7	.7										1.4	3.0
S	2.1	.7	.7									3.5	4.2
SSW	1.4	2.8				.7						5.0	6.4
SW	.7											.7	2.0
WSW		1.4										1.4	4.5
W	.7	.7										1.4	3.5
WNW		1.4	.7									2.1	5.7
NW	.7	.7										1.4	4.5
NNW			1.4									1.4	9.0
VARBL													
CALM												7.1	
	9.2	24.8	32.6	24.1	1.4	.7						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

23
HOURS (L S T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	7.0
NNE	1.4	.7	4.3									6.4	6.6
NE	.7	6.4	8.5	2.8								18.4	7.7
ENE	.7	2.1	7.6	7.1								17.7	10.0
E		1.4	14.2	10.6	.7							27.0	10.1
ESE	2.1			.7								2.8	6.3
SE	.7		.7									1.4	5.5
SSE				1.4								1.4	14.0
S	2.8		.7		.7							4.3	6.5
SSW	1.4		.7									2.1	4.0
SW	.7	.7	.7									2.1	5.0
WSW	.7			.7								1.4	9.0
W	.7	.7	.7									2.1	5.3
WNW		1.4	.7									2.1	6.3
NW	.7											.7	2.0
NNW	.7											.7	1.0
VARBL													
CALM												8.5	
	13.5	13.5	39.7	23.4	1.4							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

141

12

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	1.5	.6								3.8	7.0
NNE	.6	1.7	3.5	.4	.1							6.3	7.2
NE	1.2	3.7	6.7	3.2								14.9	7.9
ENE	.8	2.4	8.0	9.3	.4							20.9	10.2
E	.5	2.5	10.0	10.6	.9							24.6	10.4
ESE	.4	.6	2.1	1.2								4.4	8.9
SE	.3	.4	.4	.2	.2							1.4	7.6
SSE	.3	.8	.3	.3								1.6	6.7
S	1.9	.7	1.1	.4	.4	.1						4.4	7.0
SSW	1.3	1.1	.3		.1	.1	.1					2.9	5.3
SW	.8	.6	.3									1.7	4.1
WSW	.6	.4	.1	.1								1.2	4.7
W	.5	.4	.3									1.2	4.6
WNW	.1	1.1	.3									1.4	5.6
NW	.4	.2										.6	3.3
NNW	.7	.4	.3	.4								2.2	6.6
VARBL													
CALM												6.3	
	11.2	18.1	35.5	26.7	2.0	.2	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

1128

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.6								.6	12.0
NNE		.6										.6	6.0
NE	1.9	3.2	3.2	1.3								9.7	6.6
ENE		.6	5.8	12.3	1.9							20.6	12.4
E	.6	1.3	10.3	24.5	3.9							40.6	12.4
ESE	.6		1.3	.6								2.6	7.8
SE			1.3									1.3	7.0
SSE		.6										1.3	6.5
S	.6		1.9	.6								3.2	8.0
SSW	.6	1.3	1.3									3.2	6.0
SW	.6				.6							1.3	11.0
WSW		1.3										1.3	5.0
W	.6	.6										1.3	4.0
WNW		1.3	.6									1.9	5.7
NW		.6	.6	.6								1.9	8.0
NNW				1.3								1.3	12.0
VARBL													
CALM												7.1	
	5.8	11.6	27.1	41.9	6.3							100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

155

12

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			.6									.6	9.0
NE	1.3	1.3	3.9	3.2								9.7	8.6
ENE		.6	5.8	11.0	1.9							19.4	12.0
E	.6	1.3	11.6	19.4	6.5							39.4	12.4
ESE		.6	3.2									3.9	7.8
SE			.6									.6	10.0
SSE		1.3		.6								1.9	7.0
S	1.3	.6	1.9									3.9	6.0
SSW	.6	1.3	.6									2.6	5.3
SW	1.3	.6										1.9	3.0
WSW													
W	1.9	1.3	.6		.6							4.5	6.6
WNW		.6	.6									1.3	7.5
NW			.6	.6								1.3	10.0
NNW		.6		.6								1.3	10.5
VARBL													
CALM												7.7	
	7.1	10.3	30.3	35.5	9.0							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

155

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6		.6								1.3	9.5
NNE		1.3										1.3	4.0
NE		1.3	2.6	1.3								5.2	8.4
ENE		1.3	9.7	16.1	4.3							31.6	12.4
E	1.3	.6	7.7	20.6	5.8	.6						36.8	12.8
ESE				.6								.6	15.0
SE		1.3										1.3	5.0
SSE	1.3		.6									1.3	4.7
S	.6		.6									1.3	6.0
SSW	.6		.6	1.3								2.6	9.3
SW	.6		.6	.6								1.3	7.5
WSW	1.3	.6		.6								2.6	6.3
W		.6										.6	4.0
WNW													
NW			.6									.6	7.0
NNW			.6									.6	8.0
VARBL													
CALM												10.3	
	5.8	7.7	23.2	41.9	10.3	.6						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.6	.6								5.2	7.5
NNE		1.3	1.9									3.2	7.0
NE		.6	1.9	2.6	.6							5.8	11.9
ENE		1.9	6.5	21.9	2.6							32.9	12.9
E		.6	5.2	21.3	7.1							34.2	14.1
ESE			2.6	.6								3.2	9.2
SE			1.9									1.9	8.7
SSE													
S	.6	1.3		1.3								3.2	8.2
SSW	.6			.6								1.3	9.5
SW				.6								.6	13.0
WSW	.6			.6								1.3	9.0
W													
WNW	.6	.6	.6									1.9	5.0
NW		1.3										1.3	4.5
NNW		1.3	.6	.6								2.6	7.8
VARBL													
CALM												1.3	
	3.2	10.3	23.9	51.0	10.3							100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

155

0000

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	4.5	2.6								7.7	9.8
NNE		1.9	1.9									3.9	7.0
NE		1.3	4.5	5.2	1.3							12.3	11.4
ENE		2.6	8.4	20.6	6.5							38.1	13.1
E			3.9	14.8	5.2							23.9	14.4
ESE				.6								.6	14.0
SE		.6		1.3								1.9	11.0
SSE			1.3									1.3	8.0
S		2.6		.6								3.2	6.2
SSW			.6	1.3								1.9	11.0
SW		.6	.6		.6							1.9	10.7
WSW			.6									.6	10.0
W													
WNW	.6											.6	3.0
NW													
NNW	.6		.6									1.3	5.0
VARBL													
CALM												.6	
	1.3	10.3	27.1	47.1	13.3							100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	1.3	1.3								4.5	9.0
NNE		1.3	1.3		.6							3.2	8.4
NE	1.9	1.9	3.9	3.2	.6							11.6	8.6
ENE		.6	6.5	24.5	4.5	1.3						37.4	13.8
E	.6	1.3	5.2	16.1	3.9							27.1	12.8
ESE			1.9	.6	.6							3.2	11.8
SE		.6	1.3									1.9	7.0
SSE		.6	.6	.6								1.9	9.0
S		.6	1.3	.6								2.6	9.5
SSW	.6		.6	.6								1.9	7.3
SW													
WSW			.6									.6	8.0
W				.6								.6	14.0
WNW			.6									.6	8.0
NW					.6							.6	18.0
NNW	1.3											1.3	2.5
VARBL													
CALM												.6	
	4.5	9.0	25.2	48.4	11.0	1.3						100.0	11.7

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEAR

MAR
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.3								1.3	14.0
NNE			.6									.6	7.0
NE	1.3	1.9	3.2	1.3								7.7	7.2
ENE	1.3	.6	7.1	22.6	1.3	.6						33.5	12.1
E		1.9	6.5	19.4	7.1							34.8	13.4
ESE			1.3									1.3	7.5
SE			.6									.6	8.0
SSE		.6	.6									1.3	6.5
S		.6	.6									1.3	5.5
SSW	.6		1.9									2.6	6.8
SW			1.9									1.9	8.3
WSW		.6		.6		.6						1.9	14.0
W	.6	.6										1.3	4.5
WNW		1.9	.6									2.6	5.5
NW		.6	.6	.6								1.9	9.7
NNW			.6									.6	9.0
VARBL													
CALM												4.5	
	3.9	9.7	26.5	45.8	8.4	1.3						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6	1.9								3.2	10.6
NNE	.6	.6	.6	.6								2.6	7.5
NE		1.3	3.9	1.9								7.1	9.1
ENE		.6	3.2	18.7	1.3							23.9	13.2
E	.5	3.2	9.7	21.9	5.2	1.3						41.9	12.2
ESE			.6									.6	8.0
SE													
SSE		.6	1.3									1.9	7.3
S	.6	2.6	.6									3.9	4.8
SSW	1.3		1.9									3.2	6.4
SW		1.9	.6	.6								3.2	7.0
WSW	.6	1.3			.6							2.6	7.8
W		1.3										1.3	4.0
WNW			.6									.6	9.0
NW	.6											.6	3.0
NNW													
VARBL													
CALM												3.2	
	4.5	14.2	23.9	45.8	7.1	1.3						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.6	1.1	1.1								3.0	9.5
NNE	.1	.9	.9	.1	.1							2.0	7.2
NE	.8	1.6	3.4	2.5	.3							8.6	9.0
ENE	.2	1.1	6.6	18.5	3.1	.2						29.7	12.8
E	.5	1.3	7.5	19.8	5.6	.2						34.8	13.0
ESE	.1	.1	1.4	.4	.1							2.0	9.4
SE	.3	.3	.7	.2								1.2	8.1
SSE	.2	.5	.6	.2								1.5	7.0
S	.5	1.0	.9	.4								2.8	6.8
SSW	.6	.3	1.0	.5								2.4	7.4
SW	.3	.4	.4	.2	.2							1.5	7.9
WSW	.3	.5	.2	.2	.1	.1						1.4	8.5
W	.4	.6	.1	.1	.1							1.2	5.9
WNW	.2	.6	.5									1.2	5.9
NW	.1	.3	.3	.2	.1							1.0	8.5
NNW	.2	.2	.3	.3								1.1	7.7
VARB													
CALM												4.4	
	4.5	10.4	25.9	44.7	9.5	.6						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHUE BAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7		1.3							2.0	15.0
NNE		1.3	.7									2.0	6.7
NE	.7	.7	3.3	3.3								8.0	10.2
ENE	.7	2.0	13.3	10.7	2.7							29.3	11.1
E	.7	5.3	16.7	19.3	1.3	.7						44.0	10.8
ESE		1.3		.7	.7							2.7	10.0
SE		1.3										1.3	4.0
SSE	.7	.7										1.3	4.0
S	1.3											1.3	2.5
SSW	.7	.7	.7									2.0	4.3
SW	.7											.7	2.0
WSW			.7									.7	8.0
W			.7									.7	10.0
WNW		.7	.7									1.3	7.0
NW													
NNW													
VARBL													
CALM												2.7	
	5.3	14.0	37.3	34.0	6.0	.7						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7	.7							1.3	15.5
NNE		1.3	.7	.7								2.7	8.3
NE		2.7	4.7	2.7								10.0	8.9
ENE		1.3	14.0	12.0	2.0							29.3	11.3
E		6.0	13.3	18.7	1.3							39.3	10.8
ESE	.7	1.3										2.0	5.7
SE		.7										.7	4.0
SSE	.7											.7	2.0
S		.7										.7	6.0
SSW		.7	.7									1.3	6.5
SW		2.7										2.7	4.5
WSW		.7										.7	5.0
W													
WNW	.7		.7									1.3	6.0
NW													
NNW													
VARBL													
CALM												7.3	
	2.0	16.7	35.3	34.7	4.0							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

20513
000000

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			2.0									2.0	8.0
NE		2.0	4.0	1.3	.7							8.0	10.0
ENE	.7	2.7	9.3	16.0	5.3							34.0	12.0
E		1.3	16.0	16.0	3.3							36.7	11.4
ESE			2.0		.7							2.7	12.0
SE	.7		.7	.7								2.0	7.7
SSE													
S		1.3	.7									2.0	6.0
SSW		.7	.7									1.3	7.0
SW													
WSW													
W		.7										.7	4.0
WNW	1.3		1.3									2.7	5.0
NW		.7										.7	4.0
NNW	1.3	.7										2.0	3.7
VARBL													
CALM												5.3	
	4.0	10.0	36.7	34.0	10.0							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	1.3									3.3	6.8
NNE		2.0	3.3									5.3	7.1
NE		2.0	3.3	6.0	.7							12.0	11.1
ENE		2.7	9.3	20.7	6.0							38.7	12.6
E		.7	6.0	16.7	3.3							26.7	12.9
ESE			1.3	4.7								6.0	12.1
SE			1.3	.7								2.0	9.0
SSE			.7									.7	8.0
S													
SSW												.7	8.0
SW			.7										
WSW													
W													
WNW													
NW													
NNW			1.3	.7		.7						2.7	12.5
VARBL												2.0	
CALM													
		9.3	28.7	49.3	10.0	.7						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE RAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.7	1.3								5.3	8.0
NNE		2.0	6.7	.7								9.3	7.9
NE			10.0	10.7	.7							21.3	11.3
ENE		2.7	10.0	16.7	3.3							32.7	12.2
E	.7		4.0	13.3	4.0							22.0	13.4
ESE				1.3								1.3	15.5
SE													
SSE		.7										.7	5.0
S		2.0		.7								2.7	6.5
SSW		.7										.7	6.0
SW													
WSW													
W			.7									.7	10.0
WNW		1.3										1.3	5.0
NW	.7											.7	3.0
NNW		.7			.7							1.3	13.0
VARIABLE													
CALM												.0	
	1.3	11.3	34.0	44.7	8.7							100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	1.3	1.3	.7							6.0	8.3
NNE		2.7	4.7	2.0								9.3	8.9
NE	.7	2.0	7.3	8.7	.7							19.3	10.7
ENE		1.3	9.3	24.0	2.7							37.3	12.4
E			4.0	14.0	3.3							21.3	13.3
ESE				.7	.7							1.3	14.0
SE		.7										.7	4.0
SSE													
S	.7	.7										1.3	4.0
SSW		.7										.7	6.0
SW													
WSW													
W													
WNW													
NW		.7		.7								1.3	9.0
NNW		.7										.7	6.0
VARBL													
CALM												.7	
	2.0	11.3	26.7	51.3	8.0							100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

150

12

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519 STATION KANEONE BAY, HAWAII 73-77 YEARS APR NORTH

ALL WEATHER CLASS 20 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7	.7							2.7	10.5
NNE	.7	1.3	.7	1.3								4.0	7.5
NE	1.3	2.0	6.0	4.7								14.0	8.9
ENE	.7	2.0	6.7	20.0	2.7							32.0	12.2
E	1.3	2.0	10.7	19.3	3.3							36.7	11.9
ESE													
SE				.7								.7	13.0
SSE	1.3											1.3	2.5
S		1.3										1.3	4.5
SSW													
SW			.7									.7	8.0
WSW	.7											.7	3.0
W		.7										.7	6.0
WNW													
NW			1.3									1.3	8.5
NNW		.7			.7							1.3	11.5
VARBL													
CALM												2.7	
	6.0	10.7	26.7	46.7	7.3							100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.3	.7							2.0	15.0
NNE		.7	.7	.7								2.0	8.7
NE		2.0	4.7	4.0								10.7	9.1
ENE	.7	3.3	10.7	16.7	2.7							34.0	11.4
E		2.0	12.0	22.0	4.0							40.0	12.2
ESE			.7	.7								.7	14.0
SE			.7									.7	10.0
SSE		.7										.7	5.0
S	1.3											1.3	2.5
SSW	.7											.7	3.0
SW			.7									.7	7.0
WSW	.7	.7										1.3	3.0
W	.7	.7										1.3	3.5
WNW			.7									.7	9.0
NW													
NNW													
VARBL													
CALM												3.3	
	4.0	10.0	30.0	45.3	7.3							100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.8	.7	.5							2.8	9.9
NNE	.1	1.4	2.4	.7								4.6	8.0
NE	.3	1.7	5.4	5.2	.3							12.9	10.2
ENE	.3	2.2	10.3	17.1	3.4							33.4	11.9
E	.3	2.2	10.3	17.4	3.0	.1						33.3	11.8
ESE	.1	.2	.6	1.0	.2							2.1	11.3
SE	.1	.3	.3	.2								1.0	7.4
SSE	.3	.2	.1									.7	4.1
S	.4	.7	.1	.1								1.3	4.8
SSW	.2	.4	.2									.8	5.5
SW	.1	.3	.2									.7	5.4
WSW	.2	.2	.1									.4	4.4
W	.1	.2	.2									.5	6.2
WNW	.2	.2	.4									.9	5.9
NW	.1	.2	.2	.1								.5	7.0
NNW	.2	.3	.2	.1	.2	.1						1.0	9.7
VARBL													
CALM												5.0	
	3.1	11.7	31.9	42.5	7.7	.2						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6										.6	4.0
NE	.6	2.6	3.2	.6								7.1	6.9
ENE	.6	1.3	14.2	11.0								27.1	10.1
E		9.0	23.2	18.7	.6							51.6	9.6
ESE		1.9	.6									2.6	6.8
SE													
SSE	1.3											1.3	1.5
S	.6		1.3									1.9	5.7
SSW													
SW	.6	.6										1.3	3.5
WSW	.6											.6	1.0
W	.6	.6										1.3	3.0
WNW		.6										.6	6.0
NW													
NNW													
VARBL													
CALM												3.9	
	5.2	17.4	42.6	30.3	.6							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

05
NOVEMBER (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.6								.6	7.0
NNE													
NE	.6	1.3	1.3	1.3								3.2	5.4
ENE	1.3	3.2	19.4	9.7								33.5	9.3
E	1.9	8.4	18.7	16.1								45.2	9.1
ESE	.6	.6		.6								1.9	6.7
SE	.6		.6									1.3	5.0
SSE			.6	.6								.6	10.0
S		.6	.6	.6								1.9	8.7
SSW	1.9	.6										2.6	3.3
SW	1.9											1.9	2.3
WSW		1.3										1.3	5.5
W													
WNW		.6										.6	4.0
NW													
NNW			.6									.6	8.0
VARBL													
CALM												4.5	
	9.0	16.8	42.6	27.1								100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOME BAY, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3										1.3	5.0
NE	.6	2.6	2.6	.6								6.5	7.1
ENE		2.6	16.8	12.3								31.6	9.8
E		3.9	19.4	21.3	1.3							45.3	10.6
ESE			.6	.6								1.3	9.0
SE													
SSE			.6									.6	7.0
S	1.3		.6	.6								2.6	6.3
SSW		.6										.6	4.0
SW													
WSW	1.3	.6										1.9	3.0
W		.6										.6	4.0
WNW		.6										.6	4.0
NW		.6										.6	4.0
NNW													
VARBL													
CALM												5.8	
	3.2	13.5	40.6	35.5	1.3							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

1225

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3										1.3	5.0
NE	.6	2.6	2.6	.6								6.5	7.1
ENE		2.6	16.8	12.3								31.6	9.8
E		3.9	19.4	21.3	1.3							45.3	10.6
ESE			.6	.6								1.3	9.0
SE													
SSE			.6									.6	7.0
S	1.3		.6	.6								2.6	6.3
SSW		.6										.6	4.0
SW													
WSW	1.3	.6										1.9	3.0
W		.6										.6	4.0
WNW		.6										.6	4.0
NW		.6										.6	4.0
NNW													
VARBL													
CALM												5.4	
	3.2	13.5	40.6	35.5	1.3							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.6									2.6	5.5
NNE	.6	1.3	2.6									4.5	6.6
NE	2.6	2.6	9.7	2.6								17.4	7.7
ENE		1.3	17.4	14.8	3.2							36.8	11.4
E		1.3	6.5	18.1	1.3							27.1	12.1
ESE		1.9	1.3	1.3	.6							5.2	10.1
SE		.6	.6									1.3	7.0
SSE													
S		.6	.6									1.3	7.0
SSW		.6		.6								1.3	8.5
SW													
WSW													
W	.6											.6	2.0
WNW													
NW													
NNW		.6										.6	6.0
VARBL													
CALM												1.3	
	4.5	12.3	39.4	37.4	5.2							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	6.7
NNE	.6	1.9	2.6									5.2	6.5
NE		4.5	9.7	3.2								17.4	8.6
ENE		3.2	17.4	24.5	1.3							46.5	11.2
E		1.9	5.2	12.3	1.3							20.6	11.9
ESE	.6		2.6	.6								3.9	7.7
SE			.6									.6	7.0
SSE		.6	.6									1.3	6.5
S				1.3								1.3	12.5
SSW													
SW													
WSW													
W	.6											.6	2.0
WNW													
NW													
NNW		.6										.6	6.0
VARBL													
CALM												.0	
	1.9	14.2	39.4	41.9	2.6							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	6.0
NNE		.6	1.3	.6								2.6	7.8
NE	1.3	2.6	7.7	4.5								16.1	8.5
ENE	.6	6.5	14.8	21.3	3.9							47.1	10.9
E		1.3	7.7	15.5	.6							25.2	11.4
ESE			3.2									3.2	9.0
SE													
SSE												.6	3.0
S	.6												
SSW													
SW													
WSW	.6	.6										1.3	3.5
W													
WNW													
NW			.6									.6	9.0
NNW													
VARBL													
CALM												1.3	
	3.2	12.9	36.1	41.9	4.5							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

155

AD-A062 044

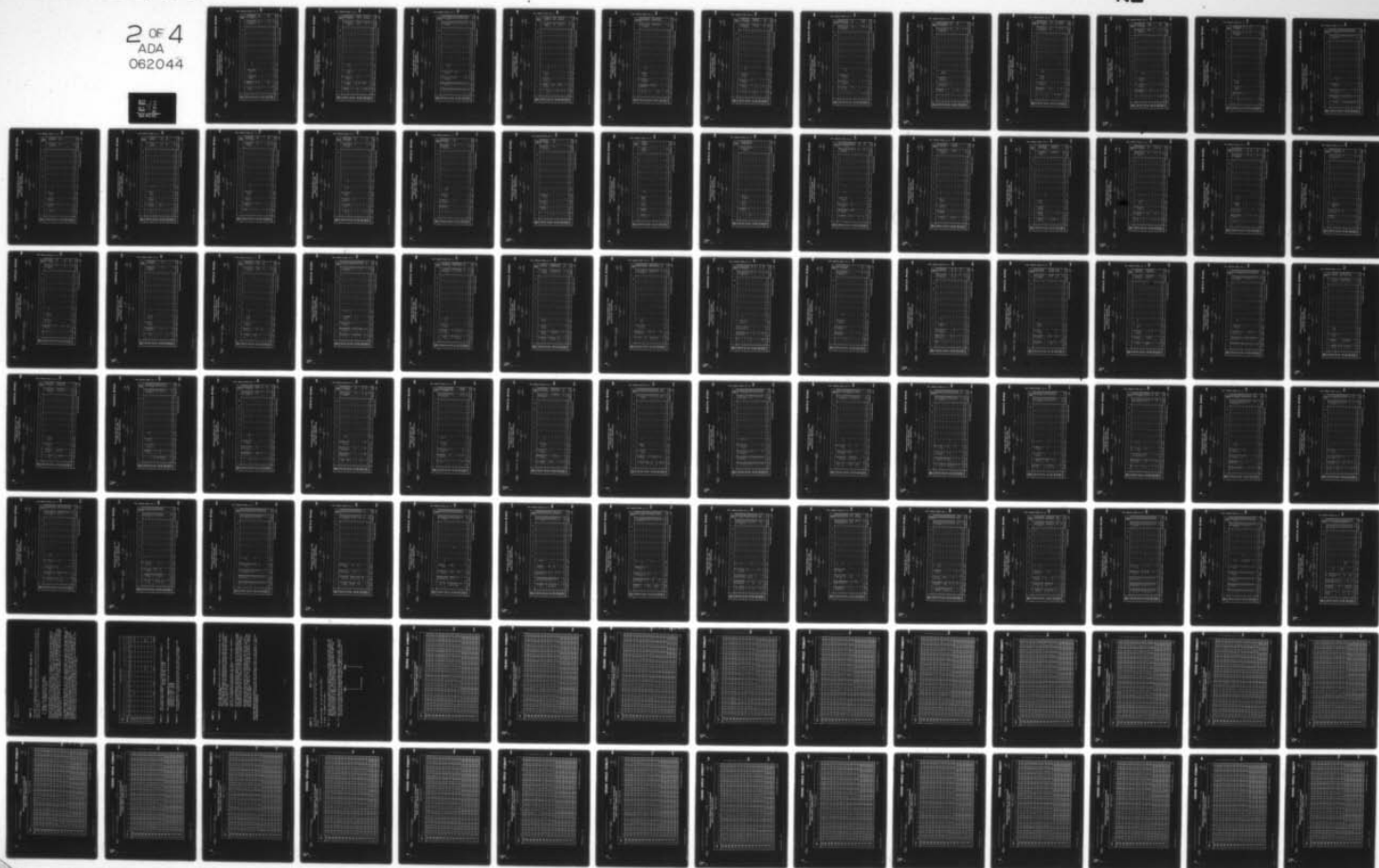
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KANE OHE --ETC(U)
JUL 78

F/G 4/2

UNCLASSIFIED

NL

2 OF 4
ADA
062044



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3										1.3	5.0
NE	1.3	3.9	4.5	.6								10.3	7.1
ENE	1.3	6.5	15.5	17.4								40.6	10.0
E		5.8	16.1	16.1	1.3							39.4	10.3
ESE			.6	.6								1.3	9.5
SE		.6	.6	.6								1.9	7.7
SSE													
S	.6	1.9										2.6	4.0
SSW													
SW													
WSW													
W													
WNW													
NW		1.3										1.3	5.5
NNW													
VARBL													
CALM												1.3	
	3.2	21.3	37.4	35.5	1.3							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	7.0
NNE	.6											.6	3.0
NE	.6	1.9	4.5									7.1	6.7
ENE	1.3	2.6	15.5	12.3	1.3							32.9	10.1
E		5.2	16.1	23.2	1.3							45.8	10.8
ESE			1.9	.6								2.6	8.8
SE													
SSE													
S		1.9										1.9	5.7
SSW	1.3		.6									1.9	3.7
SW		.6										.6	5.0
WSW													
W		.6										.6	4.0
WNW	.6	.6										1.3	3.0
NW	.6											.6	3.0
NNW	.6											.6	3.0
VARBL													
CALM												2.6	
	5.8	13.5	39.4	36.1	2.0							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.4									1.0	6.2
NNE	.2	.9	.6	.1								2.0	6.2
NE	1.0	2.7	5.4	1.5								10.6	7.7
ENE	.6	3.4	16.4	15.4	1.2							37.0	10.4
E	.2	4.6	14.1	17.7	1.0							37.6	10.5
ESE	.2	.6	1.4	.6	.1							2.7	8.6
SE	.1	.2	.3	.1								.6	6.8
SSE	.2	.1	.2									.5	5.5
S	.4	.6	.4	.3								1.8	6.5
SSW	.4	.2	.1	.1								.8	4.5
SW	.3	.2										.5	3.2
WSW	.3	.3										.6	3.5
W	.2	.2										.5	3.0
WNW	.1	.3										.4	4.0
NW	.1	.2	.1									.4	5.4
NNW	.1	.2	.1									.3	5.8
VARBL													
CALM												2.6	
	4.5	15.2	39.7	35.7	2.3							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

1240

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.3	2.7	.7								4.7	8.4
ENE		3.3	21.3	12.7								37.3	10.0
E	1.3	6.7	21.3	18.0	2.0							49.3	9.8
ESE			.7									.7	7.0
SE													
SSE		.7										.7	5.0
S		.7										.7	4.0
SSW													
SW	.7											.7	3.0
WSW		1.3										1.3	4.0
W		.7										.7	5.0
WNW	.7											.7	2.0
NW													
NNW													
VARBL													
CALM												3.3	
	2.7	14.7	46.0	31.3	2.0							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

05
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	10.0
NNE		2.0	.7									2.7	5.8
NE	.7	1.3	6.0	1.3								9.4	7.9
ENE		3.4	10.7	11.4	.7							26.2	9.8
E	.7	8.7	24.8	14.8	1.3							50.3	9.6
ESE		.7	2.0									2.7	8.3
SE													
SSE		.7										.7	4.0
S		.7										.7	5.0
SSW		.7										.7	5.0
SW		.7										.7	5.0
WSW	.7											.7	2.0
W	.7											.7	1.0
WNW													
NW													
NNW													
VARBL													
CALM												4.0	
	2.7	18.8	45.0	27.5	2.0							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			1.3									1.3	7.0
NE		.7	2.7	2.0								5.3	9.5
ENE	.7	1.3	18.7	18.7								39.3	10.6
E	.7	2.0	18.7	20.0	3.3							44.7	11.2
ESE			.7	.7								1.3	11.5
SE													
SSE													
S			.7									.7	7.0
SSW	.7											.7	3.0
SW	2.0											2.0	2.0
WSW		.7										.7	4.0
W													
WNW													
NW													
NNW		.7										.7	6.0
VARBL													
CALM												3.3	
	4.0	5.3	42.7	41.3	3.3							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7									1.3	7.0
NNE			.7	.7								1.3	11.0
NE		4.0	6.0	9.3								19.3	10.1
ENE		.7	12.0	25.3	.7							38.7	11.8
E		2.0	11.3	15.3	2.7							31.3	11.7
ESE			3.3	2.0								5.3	10.4
SE													
SSE		.7	.7									1.3	6.5
S													
SSW													
SW													
WSW													
W													
WNW													
NW	.7		.7									.7	8.0
NNW												.7	3.0
VARBL												.0	
CALM													
	.7	8.0	35.3	52.7	3.3							100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22519
STATION

KANEODHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE		1.3	4.0	.7								6.0	7.7
NE		2.0	8.7	10.0								20.7	10.5
ENE		1.3	12.7	27.3	3.3							44.7	12.1
E			6.7	13.3	1.3							21.3	12.2
ESE			2.0	2.0	.7							4.7	12.7
SE			.7									.7	7.0
SSE												.7	8.0
S			.7										
SSW													
SW													
WSW													
W		.7										.7	4.0
WNW													
NW													
NNW													
VARBL												.0	
CALM												100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

150

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	5.5
NNE		1.3	2.7									4.0	7.0
NE		2.0	8.0	7.3								17.3	9.8
ENE		4.0	16.0	24.0	2.7							46.7	11.3
E		.7	6.7	13.3	4.0							24.7	12.5
ESE			2.0									2.0	9.7
SE													
SSE													
S		1.3										1.3	5.0
SSW													
SW													
WSW	.7											.7	2.0
W													
WNW	.7											.7	2.0
NW	.7											.7	2.0
NNW		.7										.7	4.0
VARBL													
CALM												.0	
	2.0	11.3	35.3	44.7	6.7							100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEAR

JUN
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7									1.3	7.0
NNE		.7										.7	4.0
NE		2.0	9.3	2.7								14.0	9.1
ENE		1.3	20.0	17.3								38.7	10.2
E		1.3	14.7	20.7	3.3							40.0	11.9
ESE			1.3	.7								2.0	10.0
SE													
SSE													
S	.7											.7	3.0
SSW		.7										.7	4.0
SW													
WSW													
W													
WNW													
NW													
NNW	.7		.7									1.3	5.5
VARBL													
CALM												.7	
	1.3	6.7	46.7	41.3	3.3							100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3										1.3	4.0
NE		1.3	4.0	3.3								8.7	9.4
ENE		.7	18.0	14.7								33.3	10.5
E	1.3	4.0	17.3	26.0	2.7							51.3	10.8
ESE		.7	.7									1.3	7.0
SE													
SSE		.7										.7	6.0
S													
SSW	.7											.7	2.0
SW													
WSW	.7											.7	3.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												2.0	
	2.7	8.7	40.0	44.0	2.7							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.3									.7	6.6
NNE		.8	1.2	.2								2.2	7.0
NE	.1	1.8	5.9	4.6								12.4	9.6
ENE	.1	2.0	16.2	13.9	.9							38.1	10.9
E	.5	3.2	15.2	17.7	2.6							39.1	11.0
ESE		.2	1.6	.7	.1							2.5	10.3
SE			.1									.1	7.0
SSE		.3										.3	5.0
S	.1	.4	.3									.8	5.6
SSW	.2	.2										.3	3.5
SW	.3	.1										.4	2.8
WSW	.3	.3										.5	3.2
W	.1	.2										.3	3.3
WNW	.2											.2	2.0
NW	.1		.1									.2	5.0
NNW	.2	.2	.1									.4	4.8
VARBL													
CALM												1.7	
	2.0	9.9	40.8	42.0	3.6							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

1199

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		2.0	4.5	.6								7.7	7.8
ENE	1.9	5.2	25.8	13.5								46.5	9.2
E	.6	5.8	18.7	16.1	.6							41.9	9.7
ESE		.6	1.3									1.9	7.0
SE													
SSE													
S		.6										.6	4.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	2.6	14.8	50.3	30.3	.6							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1876

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

72-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		3.2	6.5	.6								10.3	7.7
ENE	3.2	7.7	19.4	11.6	.6							42.6	8.9
E		8.4	18.7	13.5	.6							41.3	9.4
ESE													
SE													
SSE													
S													
SSW		1.3										1.3	4.5
SW													
WSW													
W	.6											.6	3.0
WNW													
NW													
NNW													
VARBL													
CALM												3.9	
	3.9	20.6	44.5	25.8	1.3							100.0	8.5

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	1.3										1.9	4.0
NE	.6	2.6	4.5	.6								8.4	7.4
ENE		6.5	25.2	18.1								49.7	9.8
E		3.2	11.6	20.0	.6							35.5	11.0
ESE				.6								.6	12.0
SE													
SSE													
S	.6	.6										1.3	3.5
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW	1.3											1.3	2.5
VARBL													
CALM												1.3	
	3.2	14.2	41.3	39.4	.6							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

72-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			5.2	.6								5.8	8.4
NE		3.9	3.9	7.7								15.5	9.5
ENE	1.3	3.2	22.6	22.6	1.9							51.6	10.6
E		.6	7.7	12.3	1.9	.6						23.2	12.3
ESE		.6	1.3	.6								2.6	9.5
SE													
SSE													
S			.6									.6	8.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW	.6											.6	2.0
VARBL													
CALM												.0	
	1.9	8.4	41.3	43.9	3.9	.6						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	2.6									3.2	8.2
NNE		1.3	4.5	.6								6.5	7.9
NE		.6	15.5	2.6								18.7	9.2
ENE		1.3	20.0	29.7	1.9							52.9	11.6
E		.6	5.2	11.0	1.3							18.1	12.0
ESE													
SE													
SSE													
S			.6									.6	8.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM												.0	
		4.5	48.4	43.9	3.2							100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3									1.3	8.0
NNE		1.9	.6	.6								3.2	7.4
NE		1.9	14.2	4.5								20.6	9.1
ENE		5.8	25.2	28.4	.6							60.0	10.7
E			5.2	9.0								14.2	11.3
ESE													
SE													
SSE													
S	.6											.6	3.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM												.0	
	.6	9.7	46.5	42.6	.6							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.6	1.9	5.8	1.9								10.3	8.1
ENE	.6	5.8	25.2	26.5	.6							58.7	10.4
E	.6	3.2	10.3	14.8	.6							29.7	10.6
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	1.9	11.0	41.3	43.2	1.3							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6										.6	4.0
NE		1.9	1.9	.6								4.5	8.0
ENE		6.5	24.5	23.2								54.2	10.0
E		7.1	14.8	15.5	.6							38.1	9.9
ESE				1.3								1.3	16.0
SE		.6										.6	5.0
SSE	.6											.6	3.0
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	.6	16.8	41.3	40.6	.6							100.0	9.8

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.5									.6	8.1
NNE	.1	.6	1.3	.2								2.3	7.4
NE	.2	2.3	7.1	2.4								12.0	8.6
ENE	.9	5.2	23.5	21.7	.7							52.0	10.2
E	.2	3.6	11.5	14.0	.8	.1						30.2	10.5
ESE		.2	.3	.3								.8	10.3
SE		.1										.1	5.0
SSE	.1											.1	3.0
S	.2	.2	.2									.5	5.0
SSW		.2										.2	4.5
SW													
WSW													
W	.1											.1	3.0
WNW													
NW													
NNW	.2											.2	2.3
VARBL													
CALM												1.0	
	1.9	12.5	44.4	38.7	1.5	.1						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												.6	7.0
NNE			.6									.6	4.0
NE	.6	3.2	3.9	1.9	.6							10.3	8.2
ENE	.6	5.8	15.5	12.9								34.8	9.7
E	1.3	9.0	20.5	9.7								46.5	8.6
ESE			.6									.6	7.0
SE													
SSE													
S													
SSW	.6											.6	2.0
SW	.6											.6	2.0
WSW	.6											.6	3.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												4.5	
	4.5	18.7	47.1	24.5	.6							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22519

STATION NAME
KANELOE BAY, HAWAII

YEARS
73-77

MONTH
AUG

CLASS
ALL WEATHER

HOURS (L.S.T.)
05

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	1.3	4.5	2.6	.6								9.0	6.6
ENE	1.9	5.2	22.6	11.6								41.3	9.0
E	1.9	11.6	18.1	7.7								39.4	8.0
ESE			.6									.6	9.0
SE					.6							.6	20.0
SSE													
S													
SSW													
SW	.6											.6	3.0
WSW	.6											.6	2.0
W	.6											.6	1.0
WNW		.6										.6	4.0
NW													
NNW													
VARBL													
CALM												6.5	
	7.1	21.9	43.9	20.0	.6							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEONE RAY, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.5
NNE		.6	.6									1.3	7.5
NE	1.9	3.2	8.4									13.5	6.6
ENE		4.5	16.8	18.1	.6							40.0	10.4
E		1.9	25.2	9.0								36.1	9.6
ESE			.6	.6								1.3	10.0
SE													
SSE													
S		.6										.6	4.0
SSW													
SW													
WSW													
W	.6											.6	3.0
WNW		.6										.6	6.0
NW													
NNW	.6											.6	3.0
VARBL													
CALM												3.9	
	3.9	12.3	51.6	27.7	.6							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.3									1.9	6.0
NNE	.6	3.9	1.9									6.5	5.5
NE	.6	3.2	11.6	3.2								18.7	8.5
ENE		1.9	17.4	25.8	1.3							46.5	11.5
E		.6	8.4	11.6	.6							21.3	11.0
ESE		.6	2.6									3.2	8.2
SE													
SSE													
S													
SSW				.6								.6	14.0
SW													
WSW		.6										.6	5.0
W													
WNW													
NW													
NNW		.6										.6	6.0
VARBL													
CALM												.0	
	1.3	12.3	43.2	41.3	1.9							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

6875

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

14
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.3									1.9	7.3
NNE		1.3	8.4									9.7	7.9
NE		3.9	16.8	5.8								26.5	8.8
ENE		4.5	14.2	25.8	1.9							46.5	11.3
E			4.5	6.5								11.0	11.2
ESE			.6	.6								1.3	9.5
SE			.6	.6								1.3	9.5
SSE													
S			.6									.6	7.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		.6										.6	5.0
VARBL													
CALM												.6	
		11.0	47.1	39.4	1.9							100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

155

0780

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	4.5
NNE		1.9	3.2									5.2	7.3
NE	.6	6.5	17.4	6.5								31.0	8.5
ENE		5.8	20.0	20.0	1.3							47.7	10.4
E		1.3	5.2	6.5								12.9	10.8
ESE													
SE													
SSE		.6										.6	5.0
S													
SSW													
SW													
WSW													
W		.6										.6	4.0
WNW													
NW													
NNW		.6										.6	6.0
VARBL												.0	
CALM													
	1.3	18.1	46.5	32.9	1.3							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEONE BAY, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE		1.9	.6									2.6	5.0
NE		5.2	8.4	3.2								16.8	8.3
ENE	1.3	5.2	25.2	18.7	.6							51.0	9.9
E		3.2	20.0	4.5								27.7	9.0
ESE		.6										.6	5.0
SE													
SSE													
S													
SSW													
SW		.6										.6	4.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	1.3	16.8	54.2	26.5	.6							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22519

STATION NAME
KANEHOE BAY, HAWAII

YEARS
73-77

MONTH
AUG

CLASS
ALL WEATHER

HOURS (L.S.T.)
23

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6										.6	6.0
NE	1.3	1.3	5.6									9.0	6.8
ENE	.6	5.2	20.0	17.4								43.2	9.9
E	.6	6.5	19.4	14.8	.6							41.9	9.6
ESE			.6									.6	8.0
SE													
SSE													
S	1.3											1.3	2.5
SSW	.6	.6										1.3	3.5
SW													
WSW													
W		.6										.6	5.0
WNW													
NW													
NNW													
VARBL													
CALM												1.3	
	4.5	15.2	45.8	32.3	.6							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.3	.4									.9	5.7
NNE	.1	1.4	1.9									3.3	6.6
NE	.8	4.0	9.4	2.7	.1							16.9	8.1
ENE	.6	4.8	19.0	18.8	.7							43.9	10.3
E	.5	4.3	15.9	8.8	.2							29.6	9.3
ESE		.2	.7	.2								1.0	8.4
SE			.1	.1	.1							.2	13.0
SSE		.1										.1	5.0
S	.2	.1	.1									.3	4.0
SSW	.2	.1		.1								.3	5.8
SW	.2	.1										.2	3.0
WSW	.2	.1										.2	3.3
W	.2	.2										.3	3.3
WNW		.2										.2	5.0
NW													
NNW	.1	.2										.3	5.0
VARBL													
CALM												2.2	
	3.0	15.8	47.4	30.6	1.0							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3	.7									2.0	5.3
NE	.7	2.0	2.7									5.4	7.0
ENE	2.0	6.0	12.1	11.4								31.5	9.3
E	1.3	11.4	24.2	4.0								40.9	7.8
ESE			.7	.7								1.3	10.5
SE													
SSE	.7											.7	2.0
S	.7	.7										1.3	3.0
SSW	.7											.7	3.0
SW	2.0	.7										2.7	3.3
WSW	1.3	.7										2.0	2.7
W	1.3	1.3										2.7	3.0
WNW													
NW		.7										.7	5.0
NNW													
VARBL													
CALM												8.1	
	10.7	24.8	40.3	16.1								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEONE BAY, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7											.7	2.0
NE	.7	2.7	2.7	.7								6.7	7.2
ENE	2.7	6.7	18.1	4.7								32.2	7.8
E	4.0	12.1	16.8	2.7								35.6	6.9
ESE													
SE													
SSE	.7											.7	2.0
S	2.0	.7										2.7	2.5
SSW	1.3	1.3										2.7	3.0
SW	2.0	1.3										3.4	3.0
WSW	.7											.7	4.0
W	1.3	.7										2.0	3.3
WNW													
NW													
NNW		.7										.7	4.0
VARBL													
CALM												12.1	
	15.4	26.8	37.6	8.1								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

149

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22519 KANEHE BAY, HAWAII STATION NAME
YEARS 73-77 MONTH SEP
HOURS (L.S.T.) 08
CLASS ALL WEATHER
CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.3	3.5
NNE		2.7	.7									3.4	5.6
NE	.7	6.0	2.7									9.4	5.5
ENE	.7	2.7	20.1	12.1								35.6	9.6
E		7.4	16.8	5.4								29.5	8.4
ESE			1.3									1.3	9.0
SE	.7											.7	3.0
SSE													
S		1.3										1.3	5.0
SSW	1.3	.7										2.0	3.7
SW	.7											.7	3.0
WSW	1.3	.7										2.0	2.7
W	.7											.7	3.0
WNW	.7											.7	2.0
NW													
NNW		.7										.7	6.0
VARBL													
CALM												10.7	
	7.4	22.8	41.6	17.4								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 149

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	2.0									5.4	5.9
NNE		4.0	2.7									6.7	6.7
NE		4.0	8.7	3.4								16.1	9.0
ENE		4.0	16.1	17.4	1.3							38.9	10.3
E		2.0	8.1	9.4								19.5	10.7
ESE			4.0	2.0								6.0	10.2
SE		.7	1.3									2.0	7.3
SSE													
S	1.3											1.3	2.0
SSW													
SW		.7										.7	4.0
WSW													
W													
WNW		.7										.7	4.0
NW													
NNW	1.3	1.3										2.7	3.3
VARBL													
CALM												.0	
	3.4	20.1	43.0	32.2	1.3							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

149

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)STATION
22519STATION NAME
KANEHOE BAY, HAWAII

73-77

YEARS

SEP

MONTH

14

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.4	2.7									6.7	6.1
NNE		4.7	6.7	1.3								12.8	7.6
NE		6.0	13.4	6.0								25.5	8.7
ENE		3.4	12.1	16.8								32.2	10.5
E		1.3	6.7	8.7	.7							17.4	11.0
ESE			.7	2.0								2.7	13.3
SE	.7		.7									1.3	5.0
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		.7										.7	6.0
VARBL													
CALM													
	1.3	19.5	43.0	34.9	.7							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.3									3.4	5.8
NNE	.7	3.4	4.7									8.7	6.4
NE		6.7	12.1	5.4								24.2	8.3
ENE		8.1	20.8	10.7	1.3							40.9	9.5
E		2.0	10.1	4.0								16.1	9.3
ESE			1.3									1.3	8.5
SE													
SSE													
S													
SSW		1.3										1.3	6.0
SW													
WSW		.7	1.3									2.0	6.3
W													
WNW													
NW		.7										.7	6.0
NNW													
VARBL													
CALM												1.3	
	1.3	24.2	51.7	20.1	1.3							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHUE BAY, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									2.0	5.0
NNE	.7	2.7	.7									4.0	5.3
NE	1.3	2.7	4.7	2.0								10.7	8.1
ENE	.7	4.0	24.2	10.1	.7							39.6	9.1
E	.7	7.4	20.1	5.4								33.6	8.2
ESE		.7										.7	5.0
SE													
SSE													
S													
SSW		.7										.7	4.0
SW	1.3	.7										2.0	2.7
WSW	.7											.7	2.0
W													
WNW	.7	.7	.7									2.0	5.3
NW		.7										.7	5.0
NNW													
VARBL													
CALM												3.4	
	6.7	20.8	51.0	17.4	.7							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.7	.7									1.3	8.0
NE	.7	4.7	2.7									8.1	9.8
ENE	.7	6.0	19.5	10.1	2.0							38.3	9.6
E	.7	11.4	22.1	2.7								36.9	7.8
ESE			.7									.7	7.0
SE													
SSE													
S	1.3											1.3	1.5
SSW	1.3	.7										2.0	3.7
SW	.7	2.0	.7									3.4	4.8
WSW		.7										.7	4.0
W			.7									.7	7.0
WNW													
NW													
NNW													
VARBL													
CALM												6.7	
	5.4	26.2	47.0	12.8	2.0							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	.8									2.3	5.7
NNE	.3	2.4	2.1	.2								4.9	6.6
NE	.5	4.4	6.2	2.2								13.3	7.9
ENE	.8	5.1	17.9	11.7	.7							36.2	9.5
E	.8	6.9	15.6	5.3	.1							28.7	8.4
ESE		.1	1.1	.6								1.8	10.1
SE	.2	.1	.3									.3	5.8
SSE	.2											.2	2.0
S	.7	.3										1.0	2.8
SSW	.6	.6										1.2	3.8
SW	.8	.7	.1									1.6	3.5
WSW	.4	.4	.2									1.0	3.8
W	.4	.3	.1									.8	3.6
WNW	.2	.2	.1									.4	4.4
NW		.3										.3	5.3
NNW	.2	.4										.6	4.1
VARBL													
CALM												5.4	
	6.5	23.2	44.4	19.9	.8							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

1192

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1870

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

1000

TOTAL NUMBER OF OBSERVATIONS

155

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	8.0
NNE													
NE	.6	.6	3.2									4.5	5.9
ENE	1.9	3.2	10.3	7.1								22.6	8.7
E	2.6	9.0	24.5	16.8								52.9	9.0
ESE	.6		.6									1.3	5.5
SE													
SSE	.6		.6									1.3	4.5
S	1.3											1.3	3.0
SSW		1.3										1.3	4.0
SW	.6	.6										1.3	3.5
WSW	1.3	.6										1.9	3.3
W	.6	1.3										1.9	3.7
WNW	1.9	.6										2.6	2.3
NW													
NNW													
VARBL													
CALM												6.5	
	12.3	17.4	40.0	23.9								100.0	7.6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			.6									.6	8.0
NE		1.9	1.3									3.2	5.8
ENE		5.2	11.6	5.8								22.6	9.0
E	3.2	10.3	18.1	16.8								48.4	8.8
ESE	.6	.6	.6	1.3								3.2	8.2
SE													
SSE													
S	2.6											2.6	2.5
SSW		1.3										1.3	4.0
SW	.6	1.3										1.9	4.3
WSW	.6	.6										1.3	3.5
W	.6	.6										1.3	3.5
WNW													
NW													
NNW													
VARBL													
CALM												13.5	
	8.4	21.9	32.3	23.9								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1100

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6		.6								1.3	9.0
NE		1.3	3.9	1.9								7.1	9.0
ENE		4.5	20.6	5.2	.6							31.0	9.3
E		3.9	21.3	11.6	.6							37.4	9.8
ESE			1.3	1.3								2.6	11.3
SE	.6		.6									1.3	4.5
SSE		.6										.6	4.0
S	2.6											2.6	2.3
SSW	.6											.6	3.0
SW	.6	1.3										1.9	3.7
WSW	1.3											1.3	1.5
W	1.3											1.3	2.0
WNW	.6											.6	2.0
NW													
NNW													
VARBL													
CALM												10.3	
	7.7	12.3	47.7	20.6	1.3							100.0	7.9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22510
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.9									2.6	7.0
NNE		3.2	2.6	.6								6.5	7.5
NE		1.9	3.2	1.3								6.5	8.4
ENE		2.6	12.9	17.4								32.9	10.7
E		1.3	16.8	20.6	2.6							41.3	11.2
ESE	.6	.6	.6	1.9	.6							4.5	11.0
SE			1.3									1.3	9.0
SSE													
S	.6											.6	2.0
SSW		.6	.6									1.3	8.0
SW		.6										.6	4.0
WSW													
W		.6										.6	5.0
WNW													
NW													
NNW	.6											.6	2.0
VARBL													
CALM												.6	
	1.9	12.3	40.0	41.9	3.2							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.6	.6								4.5	7.4
NNE	.6	1.3	1.9	.6								4.5	6.6
NE	1.3	3.9	6.5	2.6								14.2	8.0
ENE		5.8	18.7	17.4	.6							42.6	10.3
E		1.9	7.1	13.5	1.3							23.9	11.6
ESE	.6	.6	1.9	3.9								7.1	11.0
SE													
SSE													
S													
SSW			.6									.6	7.0
SW													
WSW													
W													
WNW	.6											.6	3.0
NW													
N-W		.6	.6	.6								1.9	8.0
VARBL													
CALM												.0	
	3.2	15.5	40.0	39.4	1.9							100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3									3.2	5.2
NNE		2.6	.6									3.2	5.8
NE	.6	2.6	6.5	.6	1.3							11.6	8.6
ENE		5.8	22.6	18.1	.6							47.1	10.0
E		3.9	9.7	10.3	.6							24.5	10.8
ESE			1.3	1.3								2.6	10.0
SE			.6									.6	7.0
SSE		.6										.6	5.0
S			.6									.6	10.0
SSW													
SW													
WSW													
W													
WNW		.6										.6	4.0
NW	.6	.6	1.3									.6	3.0
NNW												1.9	7.3
VARBL													
CALM												2.6	
	1.9	18.1	44.5	30.3	2.6							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6									1.9	5.7
NNE		.6	1.9									2.6	7.3
NE	.6	3.2	2.6	.6								7.1	6.8
ENE	1.3	2.6	13.5	11.0								30.3	9.5
E	1.3	5.2	20.0	20.0	1.3							47.7	10.2
ESE		.6	.6	1.3								2.6	9.0
SE													
SSE													
S	.6		.6									1.3	4.5
SSW	.6											.6	3.0
SW		.6										.6	6.0
WSW		.6										.6	4.0
W		.6										.6	6.0
WNW													
NW													
NNW	.6											.6	3.0
VARBL													
CALM												3.2	
	5.8	14.8	41.9	32.9	1.3							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	7.0
NNE		.6	.6									.6	6.0
NE	.6	1.3	.6	.6								3.2	6.6
ENE	.6	4.5	8.4	9.0	.6							23.2	9.5
E	.6	7.7	30.3	18.7								57.4	9.5
ESE			.6									.6	8.0
SE	.6											.6	2.0
SSE	.6											.6	3.0
S		.6										.6	4.0
SSW	1.3											1.3	3.0
SW		.6										.6	4.0
WSW		.6										.6	4.0
W	1.3	.6										1.9	2.7
WNW													
NW	.6	.6										1.3	4.0
NNW	.6											.6	2.0
VARBL													
CALM												5.8	
	7.1	17.4	40.6	28.4	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANELOHE BAY, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

1240

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	1.0	.1								1.7	6.6
NNE	.1	1.1	1.0	.2								2.4	7.0
NE	.5	2.1	3.5	1.0	.2							7.2	7.9
ENE	.5	4.3	15.1	11.4	.3							31.5	9.7
E	1.0	5.4	18.5	16.0	.8							41.7	9.9
ESE	.3	.3	1.0	1.4	.1							3.1	10.0
SE	.2	.2	.3									.5	6.0
SSE	.2	.2	.1									.4	4.2
S	1.0	.1	.2									1.2	3.3
SSW	.3	.4	.2									.9	4.6
SW	.2	.6										.9	4.1
WSW	.4	.3										.7	3.1
W	.5	.5										1.0	3.4
WNW	.4	.2										.6	2.6
NW	.2	.1										.2	3.7
NNW	.2	.2	.2	.1								.7	5.9
VARBL													
CALM												5.3	
	6.0	16.2	40.9	30.2	1.4							100.0	8.6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

N01V
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	16.0
NNE	1.3	.7	1.3	.7								4.0	6.7
NE	2.0	1.3	2.7	.7								5.7	7.2
ENE		4.0	4.0	6.0								14.1	9.1
E	2.0	8.1	16.1	11.4	1.3							38.9	9.0
ESE		1.3	2.7	.7								4.7	7.6
SE			.7									.7	10.0
SSE			.7									.7	10.0
S	.7	1.3	2.0	.7								4.7	6.9
SSW	1.3	2.7	.7									4.7	4.6
SW	.7	1.3										2.0	4.0
WSW		1.3										1.3	5.0
W	1.3	.7	.7	.7								3.4	5.6
WNW	1.3											1.3	2.0
NW													
NNW													
VARBL													
CALM												12.1	
	10.7	22.8	31.5	21.5	1.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7	.7								1.3	12.0
NNE	.7	.7	1.3	.7								3.3	8.2
NE		2.7	2.7									5.3	6.9
ENE	.7	4.0	8.7	3.3								16.7	8.4
E	2.0	3.3	18.0	10.0								33.3	9.3
ESE	.7	.7	1.3									2.7	6.3
SE	.7	1.3	.7	.7								2.7	6.3
SSE		.7	.7									1.3	7.0
S	2.7	2.7	.7	1.3								6.7	5.2
SSW	1.3	2.0	2.0		.7							6.0	6.3
SW	2.7											2.7	2.3
WSW	2.0											2.0	2.0
W	.7	.7	.7	.7								2.0	7.3
WNW	.7											.7	2.0
NW													
NNW	.7											.7	3.0
VARBL													
CALM												12.7	
	15.3	18.7	35.3	17.3	.7							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0				.7							2.7	5.8
NNE	.7		1.3	.7								2.7	7.5
NE	1.3	3.3	2.0	1.3								8.0	6.2
ENE	1.3	2.0	10.0	3.3	.7							17.3	9.0
E		2.7	17.3	12.7	.7							33.3	10.5
ESE		.7	.7									1.3	7.5
SE		.7	.7	.7								1.3	8.5
SSE		.7	.7									1.3	6.5
S	1.3	1.3		.7								3.3	4.8
SSW	.7	1.3			.7							2.7	7.8
SW	5.3											5.3	2.3
WSW	.7	.7										1.3	3.0
W	2.7	.7										3.3	2.4
WNW		.7	1.3									2.0	7.3
NW													
NNW													
VARBL													
CALM												14.0	
	16.0	14.7	33.3	19.3	2.7							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEAR

NOV
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	7.3		1.3								12.0	5.3
NNE		2.0	4.0									6.0	8.1
NE		2.7	3.3	.7	.7							7.3	8.5
ENE	.7	1.3	12.0	6.7	.7							21.3	9.5
E		2.0	4.0	16.7	2.0							24.7	12.3
ESE			3.3	3.3								6.7	10.2
SE		.7	2.0									2.7	7.0
SSE			2.7									2.7	8.3
S	2.0	.7	2.0	.7								5.3	6.5
SSW		.7	.7	.7								2.0	8.3
SW		.7										.7	4.0
WSW													
W		.7										.7	6.0
WNW													
NW		.7										.7	4.0
NNW	.7	2.0	.7									3.3	4.8
VARBL													
CALM												4.0	
	6.7	21.3	34.7	30.0	3.3							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22519

KANEOHE BAY, HAWAII

STATION NAME

YEARS

73-77

NOV

MONTH

ALL WEATHER

CLASS

14

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	2.0	1.3								7.3	6.8
NNE	.7	3.3	7.3	2.0								13.3	8.0
NE	.7	2.0	8.0	2.0								12.7	8.1
ENE	1.3	4.0	10.0	10.0	2.7							28.0	10.1
E		1.3	4.0	8.7	2.0							16.0	12.3
ESE	.7	.7	2.7	4.7								8.7	9.9
SE	.7		2.0	.7								3.3	7.8
SSE	.7	1.3	.7									2.7	5.5
S	.7		1.3	.7								2.7	8.8
SSW			.7	1.3								2.0	13.0
SW			.7									.7	8.0
WSW	.7											.7	5.0
W												.7	3.0
WNW													
NW	.7		.7									.7	3.0
NNW												.7	8.0
VARBL													
CALM												.0	
	8.7	15.3	40.0	31.3	4.7							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEUHE BAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	2.7	1.3								6.0	7.9
NNE		2.7	2.0	.7								5.3	7.1
NE	1.3	4.7	6.7	2.7								15.3	7.8
ENE		6.7	12.0	8.0	.7							27.3	9.2
E		1.3	16.0	11.3	.7							29.3	10.6
ESE			2.0									2.0	9.0
SE	.7	2.0	1.3									4.0	5.5
SSE	.7		1.3	.7								2.7	8.5
S			.7									.7	7.0
SSW	.7		.7	.7								2.0	8.3
SW		1.3	.7									2.0	6.0
WSW	.7											.7	3.0
W													
WNW			.7									.7	5.0
NW													
NNW	.7	.7										1.3	3.5
VARBL													
CALM												.7	
	6.0	20.7	46.0	25.3	1.3							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

12Z05 02101

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7			.7								1.3	8.0
NNE		.7	.7	2.0								3.3	10.0
NE	1.3	3.3	4.7									9.3	6.0
ENE	.7	6.0	10.0	5.3	2.0							24.0	9.3
E	2.7	7.3	13.3	14.7	1.3							39.3	9.4
ESE			2.0	.7								2.7	9.5
SE	.7	.7	.7	.7								2.7	7.5
SSE													
S	1.3	.7	2.0									4.0	5.5
SSW		1.3		.7								2.0	7.7
SW	1.3	1.3										2.7	3.5
WSW	2.7											2.7	2.3
W		.7										.7	6.0
WNW		.7										.7	4.0
NW		.7										.7	6.0
NNW			.7									.7	9.0
VARBL													
CALM												3.3	
	11.3	23.3	34.0	24.7	3.3							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANE OHE RAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7	1.3								2.0	11.7
NNE			2.0									2.0	8.7
NE	1.3	5.3	.7	2.0	.7							10.0	7.0
ENE		3.3	10.0	4.7								18.0	10.0
E	2.7	6.7	14.7	9.3	.7							34.0	9.0
ESE		.7	4.0	1.3								6.0	9.1
SE		.7										.7	4.0
SSE		.7	1.3									2.0	7.0
S	2.7	.7	2.0									5.3	4.6
SSW	.7	1.3	.7									2.7	4.8
SW	2.0	1.3		.7								4.0	5.0
WSW		2.7	1.3									4.0	5.3
W	2.0	.7										2.7	3.0
WNW													
NW													
NNW													
VARBL													
CALM												6.7	
	11.3	24.0	37.3	19.3	1.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEODE BAY, HAWAII
STATION NAME

73-77
YEAR

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	.2	.9	.1							4.2	7.1
NNE	.4	1.3	2.5	.8								5.0	8.0
NE	1.0	3.2	3.8	1.2	.2							9.3	7.3
ENE	.6	3.9	9.6	5.9	.8							20.9	9.4
E	1.2	4.1	12.9	11.8	1.1							31.1	10.0
ESE	.2	.5	2.3	1.3								4.3	9.1
SE	.3	.8	.8	.3								2.3	6.9
SSE	.2	.4	1.0	.1								1.7	7.4
S	1.4	.9	1.3	.5								4.1	5.9
SSW	.6	1.2	.7	.4	.2							3.0	7.0
SW	1.5	.6	.2	.1								2.5	3.8
WSW	.8	.7	.2									1.6	3.7
W	.9	.5	.1	.2								1.7	4.5
WNW	.3	.3	.2									.7	4.6
NW	.1	.2										.3	4.3
NNW	.3	.3	.3									.8	5.1
VARBL													
CALM												6.7	
	10.8	20.1	36.5	23.6	2.3							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

1199

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEDHE RAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3	.6								1.9	10.0
NNE		.6	1.3	.6								2.6	8.8
NE	1.3	4.5	1.9	.6								8.4	5.8
ENE	2.6	4.5	3.9	6.5								17.5	8.4
E	1.9	8.4	8.4	8.4								27.3	8.5
ESE		.6	1.3									1.9	7.3
SE	.6											.6	2.0
SSE	1.3	1.9										3.2	3.2
S	3.2	1.9	.6	.6								6.5	4.5
SSW	4.5	1.9	.6									7.1	3.5
SW		.6										.6	4.0
WSW	.6	3.2	.6	.6								5.2	5.8
W	1.9	1.3										3.2	3.0
WNW													
NW		1.9										1.9	5.3
NNW													
VARBL													
CALM												11.7	
	18.2	31.8	20.1	18.2								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	7.3
NNE		1.9	.6	.6								3.2	7.4
NE	1.3	2.6	1.9	.6								6.5	6.4
ENE		6.5	7.8	5.8								20.1	8.5
E	1.3	7.1	3.2	9.7	1.3							22.7	9.3
ESE		1.3	1.3									2.6	6.3
SE		.6										.6	6.0
SSE	.6		.6									1.3	6.0
S	5.2	1.3	.6	.6								7.8	4.5
SSW	1.9	1.3	.6	.6			.6					5.2	8.4
SW	2.6	.6										3.2	3.2
WSW	1.9											1.9	2.0
W	3.2	.6	.6									4.5	3.4
WNW			.6									.6	7.0
NW	.6											.6	2.0
NNW													
VARBL													
CALM												16.9	
	18.8	25.3	18.8	18.2	1.3		.6					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

154

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3									1.3	9.0
NNE	.6	1.3	1.3	.6								3.9	6.3
NE	.6	.6	2.6	1.3	.6							5.8	9.3
ENE	1.9	3.9	7.8	3.9	.6							18.2	8.3
E	.6	5.2	7.8	9.7	.6							24.0	9.7
ESE		.6	.6									1.3	6.0
SE	.6	1.3	.6									2.6	5.0
SSE		2.6										2.6	4.3
S	3.9	2.6	.6	.6								7.8	4.4
SSW	1.9	1.9	.6									4.5	4.3
SW	3.2	.6										3.9	2.7
WSW	2.6	1.9		.6								5.2	4.6
W	.6	.6	.6									1.9	5.3
WNW		.6										.6	6.0
NW			.6									.6	8.0
NNW													
VARBL													
CALM												15.6	
	16.9	24.0	24.7	16.9	1.9							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEQUE RAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	6.5	.6									9.7	4.3
NNE	1.3	.6	2.6	.6	.6							5.8	8.8
NE	1.3	2.6	5.8	1.9								11.7	7.8
ENE	.6	5.8	6.5	5.8								18.8	9.0
E		3.2	11.0	10.4	1.9							26.6	10.8
ESE		.6	3.2	.6								4.5	8.7
SE		.6	1.3									1.9	6.3
SSE		.6		.6								1.3	8.0
S	1.3	1.3	1.3									3.9	4.8
SSW	.6		.6									1.3	5.5
SW					.6							.6	17.0
WSW		1.3										1.3	4.0
W	1.3		.6									1.9	5.3
WNW	1.3											1.3	2.5
NW	1.9											1.9	2.3
NNW		1.3										1.3	4.5
VARBL													
CALM												5.8	
	12.3	24.7	33.8	20.1	3.2							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		6.5	2.6	.6	.6							10.4	6.9
NNE	1.3	4.5	3.2									9.1	5.9
NE		5.8	5.2	1.3								12.3	7.6
ENE	1.3	4.5	7.8	10.4	.6							24.7	10.0
E	.6	3.9	8.4	9.4								21.4	9.7
ESE	.6	1.3	2.6	1.3								5.8	8.1
SE			1.9									1.9	9.0
SSE				.6								.6	11.0
S		.6	1.9									2.6	6.8
SSW	.6		1.3									1.9	6.7
SW		1.3	1.3		.6							1.9	11.3
WSW	.6	1.9										2.6	4.8
W			.6									.6	8.0
WNW													
NW				.6								.6	14.0
NNW	.6	1.9										2.6	4.0
VARBL													
CALM												.6	
	5.8	31.2	37.0	23.4	1.9							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	.6	3.2								7.8	8.3
NNE	3.9	5.2	2.6	.6	.6							13.0	6.0
NE	3.9	7.1	5.2	1.3								17.5	6.0
ENE	1.3	4.5	11.0	8.4								25.3	9.5
E	1.3	4.5	7.1	7.1	.6							20.8	9.4
ESE	.6	1.9	.6	.6								3.9	7.2
SE		.6	1.9									2.6	7.0
SSE		1.3										1.3	5.5
S													
SSW	.6		.6									1.3	5.0
SW		.6	1.3									1.9	7.0
WSW													
W		.6										.6	6.0
WNW		.6										.6	5.0
NW			.6									.6	10.0
NNW													
VARB													
CALM												2.6	
	12.3	30.5	31.8	21.4	1.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6	.6	.6							1.9	11.0
NNE		2.6	2.6	.6								5.8	7.2
NE	3.2	6.5	1.3	1.3								12.3	5.7
ENE	3.9	6.5	7.1	5.8	1.3							24.7	8.2
E	3.9	5.2	11.0	7.8	1.9							29.9	8.8
ESE	.6	.6										1.3	3.5
SE	.6		.6									1.3	6.0
SSE	1.3	1.9	.6									3.9	5.2
S	1.3	2.6	.6									4.5	4.4
SSW	1.9											1.9	2.3
SW	1.3	.6										1.9	3.3
WSW	1.3											1.3	2.5
W		1.3	.6									1.9	5.3
WNW													
NW		.6		.6								1.3	9.0
NNW		.6										.6	5.0
VARB													
CALM												5.2	
	19.5	29.9	25.3	16.2	3.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.9	1.3	1.3	.6							5.2	9.8
NE	3.9	.6	3.9	1.3								9.7	6.5
ENE	3.9	3.9	9.0	5.2								21.9	8.1
E	3.2	9.7	4.5	11.0	1.3							29.7	8.7
ESE	.6	.6		.6								1.9	7.0
SE		1.3	.6									1.9	6.0
SSE													
S	3.2	1.9	.6									5.3	3.8
SSW	.6	3.9										4.5	4.1
SW	1.3	.6		.6								2.6	6.0
WSW	.6	1.9										2.6	4.0
W	1.3	.6	1.3									3.2	5.2
WNW													
NW	1.3											1.3	3.0
NNW			.6									.6	10.0
VARBL													
CALM												9.0	
	20.0	27.1	21.9	20.0	1.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.3	1.0	.6	.2							4.4	7.0
NNE	.9	2.4	1.9	.6	.2							6.1	7.1
NE	1.9	3.8	3.5	1.2	.1							10.5	6.8
ENE	1.9	5.0	7.6	6.5	.3							21.4	8.8
E	1.6	5.9	7.7	9.1	1.0							25.3	9.3
ESE	.3	1.0	1.2	.4								2.9	7.3
SE	.2	.6	.9									1.7	6.3
SSE	.4	1.1	.2	.2								1.8	5.2
S	2.3	1.5	.8	.2								4.9	4.6
SSW	1.6	1.1	.6	.1			.1					3.5	5.0
SW	1.1	.5	.3	.1	.2							2.1	5.5
WSW	1.0	1.3	.1	.2								2.5	4.4
W	1.1	.6	.6									2.3	4.5
WNW	.2	.2	.1									.4	4.6
NW	.5	.3	.2	.2								1.1	5.8
NNW	.1	.5	.1									.6	5.0
VARBL													
CALM												8.4	
	15.5	28.1	26.7	19.3	1.9		.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1233

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	.8	.4	.1							2.5	7.3
NNE	.3	1.4	1.7	.3	.0							3.7	7.1
NE	.8	2.8	5.2	2.4	.1							11.3	8.2
ENE	.7	3.5	12.9	13.3	1.1	.0						31.6	10.4
E	.7	3.9	12.2	13.0	1.3	.0						31.4	10.5
ESE	.2	.4	1.2	.7	.0							2.5	9.2
SE	.2	.3	.4	.1	.0							1.0	7.0
SSE	.3	.4	.2	.1								.9	5.6
S	.9	.9	.0	.3	.0	.0						2.8	5.8
SSW	.7	.7	.3	.1	.0	.0	.0					1.9	5.6
SW	.6	.4	.2	.1	.1	.0	.0					1.4	5.5
WSW	.4	.4	.1	.1	.0	.0	.0					1.1	5.9
W	.5	.4	.2	.1	.0	.0	.0					1.1	4.9
WNW	.2	.3	.1	.0								.6	5.0
NW	.2	.2	.1	.0	.0							.5	5.6
NNW	.2	.3	.2	.1	.0	.0	.0					.9	6.8
VARBL													
CALM												4.9	
	7.0	17.0	36.6	31.2	3.1	.1	.0					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

14591

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22519
STATION

KANEUHE BAY, HAWAII
STATION NAME

73-77
YEARS

ALL
MONTH

INSTRUMENT

CLASS

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.0	4.0	2.0								11.0	7.4
NNE	1.0	3.0	3.0									7.0	6.0
NE	2.0	2.0	2.0	5.0								11.0	8.5
ENE		5.0	4.0	4.0								13.0	8.8
E		2.0	10.0	13.0	2.0							27.0	11.3
ESE			1.0	1.0								2.0	10.5
SE			2.0	2.0								4.0	10.3
SSE			1.0									1.0	10.0
S		2.0	1.0	1.0								4.0	8.0
SSW			1.0		1.0							2.0	13.0
SW					1.0							1.0	20.0
WSW	1.0			1.0		1.0						3.0	13.3
W		1.0				1.0						2.0	15.0
WNW		1.0	2.0									3.0	6.7
NW	1.0	1.0		1.0								3.0	7.7
NNW		2.0	1.0	2.0								5.0	8.2
VARB													
CALM												1.0	
	6.0	23.0	32.0	32.0	4.0	2.0						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

100

0000

NWSD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 1800													
≥ 1500					91.0								92.6
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500										97.4			98.1
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0					95.4		96.9		98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .

For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:

Visibility ≥ 3 miles = 95.4%.

Visibility ≥ 2 miles = 96.9%.

Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANECHU BAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 6000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	96.1	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.1	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519 STATION

KANEIHE BAY, HAWAII

73-77

STATION NAME

YEAR

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
18000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
16000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
14000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
12000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
10000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
9000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
8000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
7000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
6000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
5000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
4500	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
4000	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3500	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3000	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2500	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2000	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1800	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 16000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 14000	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 12000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 7000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 6000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 5000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	92.9	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 7000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 5000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	96.1	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	95.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	96.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEHE RAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

14

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 6000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	96.1	96.8	96.8	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1
≥ 1500	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 900	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 800	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 700	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 600	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 500	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 400	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 300	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0
0	96.8	97.4	98.1	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
18000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
16000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
14000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
12000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
10000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
9000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
8000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
7000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
6000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
5000	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
4500	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
4000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
3500	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3000	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2500	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2000	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1800	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1500	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 9000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 6000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4500	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	94.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	94.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	94.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	94.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

12295-001

922

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 6000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	89.0	90.3	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	92.3	93.6	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	94.8	96.1	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	94.8	96.1	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	94.8	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEŌHE BAY, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 16000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 9000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 6000	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 5000	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 4500	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4000	75.0	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3500	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	77.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	83.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	90.7	91.9	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	94.1	95.7	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	95.5	97.6	98.3	98.7	98.8	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 1200	95.7	97.7	98.5	98.9	99.0	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.7	97.9	98.8	99.2	99.3	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 900	95.8	98.1	99.0	99.4	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 700	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 600	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 500	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 400	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9
0	95.8	98.1	99.0	99.4	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 10000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 9000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 7000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 6000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 5000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 4500	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
100-100

KANEDHE BAY, HAWAII
STATION NAME

73-77

STATION NAME

YEARS

FEB

MONTH

05

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 16000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 14000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 6000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 5000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	76.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	92.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519 STATION

KANEHOE BAY, HAWAII STATION NAME

73-77 YEARS

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 16000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 12000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 7000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 5000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
4500	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
4000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
3500	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
3000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2500	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
2000	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1800	96.5	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1500	96.5	97.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.5	97.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

22519

KANEHE BAY, HAWAII

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
At 18000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
At 16000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
At 14000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
At 12000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
At 10000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
At 9000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
At 8000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
At 7000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
At 6000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
At 5000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
At 4500	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
At 4000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
At 3500	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
At 3000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
At 2500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
At 2000	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
At 1800	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
At 1500	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 1200	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 1000	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 900	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 800	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 700	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 600	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 500	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 400	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 300	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 200	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 100	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
At 0	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH

14

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 18000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 9000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 8000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 7000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 6000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 5000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4500	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	97.9	97.9	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 18000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 12000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 9000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 8000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 6000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 5000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4500	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	93.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	96.5	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
22519

STATION NAME
KANEOTE BAY, HAWAII

73-77

YEARS

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ 0
NO CEILING	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 7000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 6000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 5000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	97.9	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.6	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

2

STATION
22519

STATION NAME
KANEIHE BAY, HAWAII

73-77

YEARS

FEB

MONTH

23

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 7000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 6000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 5000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANOEHE RAY, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 14000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 7000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 6000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 5000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	95.7	97.4	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	97.6	98.4	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	97.6	98.5	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	97.6	98.5	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1128

CEILING VERSUS VISIBILITY

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
AI 18000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
AI 16000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
AI 14000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
AI 12000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
AI 10000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
AI 9000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
AI 8000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
AI 7000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
AI 6000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
AI 5000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 4500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
AI 4000	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7
AI 3500	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9
AI 3000	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
AI 2500	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8
AI 2000	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 1800	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 1500	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 1200	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 1000	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 900	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 800	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 700	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 600	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 500	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 400	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 300	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 200	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 100	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
AI 0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77

YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 7000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 5000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4500	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 18000	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 16000	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 14000	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 10000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 9000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 8000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 7000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 6000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 5000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	90.3	91.6	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	92.3	94.8	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	92.9	96.8	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	93.6	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.6	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519

KANELOHE BAY, HAWAII

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 20000	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 12000	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 8000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 7000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 6000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 5000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 4500	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3000	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2500	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	89.0	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	94.2	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	94.8	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTH14
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 20000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 18000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 9000	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 8000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 7000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 4500	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

22519 KANEDHE BAY, HAWAII

73-77

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 20000	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 18000	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 16000	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 14000	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 12000	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 10000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 8000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 7000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 6000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 5000	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 4500	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVCEANMET SMOS

AD-A062 044

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

F/G 4/2

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KANEOHE --ETC(U)

JUL 78

UNCLASSIFIED

NL

3 OF 4
ADA
062044



CEILING VERSUS VISIBILITY

22519
STATION

KANEQHE BAY, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 7000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 5000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	74.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEAR

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
18000	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 16000	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
14000	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 12000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
10000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 9000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
8000	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 7000	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
6000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 5000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
4500	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
3500	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7
2500	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
≥ 2000	93.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.8	94.8	94.8
1800	95.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0	98.0	98.0
≥ 1500	96.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.6	98.6	98.6
1200	96.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3
≥ 1000	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
900	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
≥ 800	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
700	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
≥ 600	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
500	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
≥ 400	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
300	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
≥ 200	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
100	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9
0	96.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
22519

STATION NAME
KANEHE BAY, HAWAII

YEARS
73-77

MONTH
APR

HOURS (L.S.T.)
02

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 18000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 16000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 12000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 10000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 9000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 8000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 7000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 6000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 5000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 4500	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	92.7	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	96.0	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22519
STATIONKANEOHE BAY, HAWAII
STATION NAME

73-77

YEARS

APR
MONTH05
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 20000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
18000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
16000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
14000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
12000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
10000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
9000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
8000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
7000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
6000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
5000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
4500	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
4000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3500	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
900	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
800	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
400	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
300	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
100	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519 STATION

KANEHOE BAY, HAWAII

73-77

STATION NAME

YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 20000	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 18000	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 16000	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 14000	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 12000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 10000	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 9000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 8000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 7000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 6000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 5000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 4500	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	89.3	91.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	92.0	94.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	93.3	95.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	93.3	95.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	93.3	95.3	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

APR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
18000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
16000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
14000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
12000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
10000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
9000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
8000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
7000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
6000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
5000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
4500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4000	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
3500	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
3000	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
2500	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2000	92.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1800	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1500	95.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1200	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519 STATION

KANOEHE BAY, HAWAII

73-77

YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 18000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 16000	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 14000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 12000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 8000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 7000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 6000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 5000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 4500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	95.3	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	96.0	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22519
STATIONKANEDHE BAY, HAWAII
STATION NAME73-77
YEARSAPR
MONTH17
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 18000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 16000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 14000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 12000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 10000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 8000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 7000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 6000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 5000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 4500	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3500	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

130

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
STATIONKANEIHE RAY, HAWAII
STATION NAME

73-77

YEARS

APR
MONTH20
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 9000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
8000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
7000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
6000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
5000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
4000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
3500	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
3000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

APR
MONTH

23

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 10000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 8000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 7000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 6000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 5000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4500	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
STATION

KANEONE BAY, HAWAII
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

APR
MONTH

ALL
HOURS (L.S.T.)

CEILING VERSUS VISIBILITY

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 20000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
18000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
16000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
14000	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
12000	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
10000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
9000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
8000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
7000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
6000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
5000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
4500	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
4000	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
3500	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
3000	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
2500	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2000	93.4	94.1	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1800	96.2	96.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1500	96.8	97.8	98.3	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1200	97.2	98.3	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1000	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	97.3	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

22519
STATIONKANEHE BAY, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTH

02

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANE OHE BAY, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 0
NO CEILING	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 5000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEOME BAY, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
18000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
16000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
14000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
12000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
10000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
9000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
8000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
7000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
6000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
5000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
4500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
4000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
3500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
3000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
2500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1800	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
18000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
16000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
14000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
12000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
9000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
8000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
7000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
6000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
5000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
4500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
4000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3500	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2500	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2000	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	96.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
22519KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)HOURS (LST)
14

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
AI 18000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
AI 16000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
AI 14000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
AI 12000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
AI 10000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 9000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 8000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
AI 7000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
AI 6000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
AI 5000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 4500	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 4000	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AI 3500	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AI 3000	85.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 2500	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
AI 2000	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 1800	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 1500	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1200	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1000	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 900	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 800	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 700	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 600	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 500	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 400	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 300	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 200	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 100	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 0	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEHUE BAY, HAWAII
STATION NAME73-77
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519 STATION

KANEDHE BAY, HAWAII

73-77

STATION NAME

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

STATION
22519

STATION NAME
KANEIHE BAY, HAWAII

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 18000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 12000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 8000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 7000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 6000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 5000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3000	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	97.9	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.2	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5
≥ 1200	98.2	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6
≥ 1000	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 900	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 800	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 700	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0
0	98.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 7000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

22519
STATION

KANEUHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 7000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 5000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 4500	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2500	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE DETACHMENT, APO SAN FRANCISCO, CALIF.

CEILING VERSUS VISIBILITY

STATION
22519

KANEHOE BAY, HAWAII

73-77

YEARS

JUN

MONTH

08
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 12000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 9000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 8000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 7000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 6000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 5000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 4500	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22519
STATIONKANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 6000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 5000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4500	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519 STATION

KANEHE BAY, HAWAII

73-77

STATION NAME

YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 7000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 5000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH

17

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 10000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 8000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 7000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 6000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 5000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4500	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 12000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 8000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 7000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 6000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 5000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4500	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH

23

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 9000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 7000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 5000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 9000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 8000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 6000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 5000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1600	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1400	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1199

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 6000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 5000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 8000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 5000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH08
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 18000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 16000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 10000	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 9000	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 8000	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 7000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 6000	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 5000	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 4500	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2500	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

135

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
18000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
16000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
14000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
12000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
10000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
9000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
8000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
7000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
5000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
4500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
4000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2500	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2000	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1800	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	96.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1200	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH

14

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 8000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 6000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH

17

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 12000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 10000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 9000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 8000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 7000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 6000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 5000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
AI 4500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
AI 4000	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3500	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
AI 3000	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 2500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
AI 2000	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1800	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1500	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

20

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 18000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 16000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 14000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 12000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
AI 10000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
AI 8000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 7000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 6000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 5000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
AI 4500	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
AI 4000	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AI 3500	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AI 3000	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
AI 2500	80.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 2000	90.3	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 1800	94.2	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1500	94.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1200	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	95.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519 STATION

KANEHOE BAY, HAWAII

73-77

STATION NAME

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 7000	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 5000	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEHE BAY, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTHALL
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
18000	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
16000	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
14000	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
12000	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
10000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
9000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
8000	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
7000	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
6000	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
5000	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
4500	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
4000	78.0	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
3500	78.2	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
3000	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2500	85.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2000	93.2	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
1800	96.5	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1500	97.8	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1200	97.9	98.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	97.9	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	98.1	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	98.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	98.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	98.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	98.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.2	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 5000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEHE BAY, HAWAII
STATION NAME

73-77

YEAR

AUG
MONTH

05

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 18000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 16000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 14000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 12000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 10000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
AI 9000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
AI 8000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 7000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 6000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 5000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
AI 4500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
AI 4000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
AI 3500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
AI 3000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 2500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 2000	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
AI 1800	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1500	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1200	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1000	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH11
HOURS (LST.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 7000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 6000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
22519

KANEDHE BAY, HAWAII

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 5000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

12

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	95.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEQHE BAY, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH23
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 8000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 6000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4500	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	96.1	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5
≥ 1800	97.7	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4
≥ 1500	98.8	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 1200	98.9	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
≥ 1000	99.0	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 900	99.0	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 800	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 700	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 600	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 500	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 400	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 300	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 100	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 0	99.0	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

22519
STATIONKANELOE BAY, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 7000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 6000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 5000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4500	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEOHE BAY, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 8000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 6000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 5000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519

KANEHE BAY, HAWAII

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
AI 18000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
AI 16000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
AI 14000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
AI 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
AI 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
AI 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
AI 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
AI 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
AI 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
AI 5000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
AI 4500	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
AI 4000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
AI 3500	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
AI 3000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
AI 2500	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
AI 2000	94.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
AI 1800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEUHE BAY, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 6000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHUE BAY, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTH14
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 9000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 6000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 5000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AI 18000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AI 16000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AI 14000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
AI 12000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
AI 10000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
AI 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
AI 8000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
AI 7000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
AI 6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
AI 5000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
AI 4500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
AI 4000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
AI 3500	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
AI 3000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
AI 2500	90.6	90.6	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
AI 2000	95.3	96.0	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
AI 1800	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1500	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1200	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1000	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 900	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 800	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 700	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 600	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 500	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 400	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 300	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 200	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 100	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
22519STATION NAME
KANEIHE BAY, HAWAII

73-77

YEARS

SEP
MONTH20
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 18000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 5000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 4500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3500	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 5000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 2500	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEHE BAY, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
AI 18000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
AI 16000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
AI 14000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
AI 12000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
AI 10000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
AI 9000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
AI 8000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
AI 7000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
AI 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
AI 5000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
AI 4500	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
AI 4000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3500	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
AI 2500	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
AI 2000	95.7	96.0	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
AI 1800	98.2	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
AI 1500	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 1200	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 1000	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 900	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 800	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 700	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 600	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 500	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 400	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 300	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 200	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 100	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
AI 0	98.9	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1192

FD-2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

U.C.T
MONTH02
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

KANELOHE BAY, HAWAII

73-77

STATION NAME

YEARS

UCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

12254 06181

9221

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519 STATION

KANEUHE BAY, HAWAII

73-77

STATION NAME

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 7000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 5000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTH11
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4500	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTH

14
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 18000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 16000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 14000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 7000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 6000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 5000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTH

17

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 18000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 16000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 14000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 12000	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 10000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
AI 9000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
AI 8000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 7000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 6000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
AI 5000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
AI 4500	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
AI 4000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AI 3500	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
AI 3000	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
AI 2500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
AI 2000	96.1	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1800	97.4	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1500	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	98.7	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

1225 5432

1225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 12000	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 10000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 7000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 6000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 5000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519 STATION

KANELOHE BAY, HAWAII

73-77

STATION NAME

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 18000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 16000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 14000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
AI 10000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 9000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 8000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 7000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 6000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 5000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
AI 4500	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
AI 4000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 3500	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 3000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 2500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
AI 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 7000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 6000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 5000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1800	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	98.8	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	98.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22519
STATIONKANEHE RAY, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTH

02

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
18000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
16000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
14000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
12000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
10000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
9000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
8000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
7000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
6000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
5000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
4500	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
4000	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
3500	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
3000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2000	94.0	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1800	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1500	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

149

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 7000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

22519

KANEHOE BAY, HAWAII

73-77

NOV

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

08

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 18000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 16000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 9000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 8000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 7000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 6000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4500	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	90.0	91.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	93.3	94.7	96.0	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.7	97.3	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHE BAY, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTH

11
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 8000	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 7000	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 5000	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4500	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22519
STATIONKANEIHE RAY, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 16000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 9000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 8000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 7000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 6000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4500	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	73.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	96.0	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	96.7	98.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 16000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 12000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 9000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 7000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 6000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 5000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 4500	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTH20
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 7000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 6000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4500	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 10000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 6000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 5000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4500	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	96.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22519
STATIONKANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 16000	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 14000	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 10000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 8000	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 7000	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 5000	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4500	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2500	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	94.1	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	96.3	97.5	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	97.1	98.8	99.1	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6
≥ 1200	97.1	98.8	99.1	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7
≥ 1000	97.1	98.8	99.1	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8
≥ 900	97.1	98.8	99.1	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8
≥ 800	97.1	98.8	99.1	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8
≥ 700	97.1	98.8	99.1	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8
≥ 600	97.1	98.8	99.1	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8
≥ 500	97.1	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.1	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.1	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	97.1	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	97.1	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
0	97.1	98.8	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1199

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

02
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 18000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 16000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 14000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 9000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 8000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATIONKANEHUE BAY, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 8000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 6000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	83.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2500	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

08
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 16000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 12000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 5000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4500	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4000	73.4	73.4	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	73.4	73.4	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000	77.9	77.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2500	85.1	85.1	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	90.3	90.3	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

154

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

11

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	56.4	56.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEHE BAY, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

14
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4500	70.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	78.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	79.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	81.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	90.9	91.6	91.6	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

154

CEILING VERSUS VISIBILITY

22519
STATIONKANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH17
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
8000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
7000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
6000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
5000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
4500	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
4000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
3500	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
3000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
2000	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1800	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

154

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22519
STATION

KANEDHE BAY, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

20
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 12000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 8000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4500	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME
KANEIHE BAY, HAWAII

73-77

STATION NAME

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
18000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
16000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
14000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
12000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
10000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
9000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
8000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
7000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
6000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
5000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
4500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
4000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
3500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
3000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2000	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME73-77
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 14000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4500	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	89.7	90.0	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	94.7	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	96.9	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 1500	97.7	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 1200	98.0	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 900	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 800	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 700	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 600	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 500	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 400	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
0	98.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1233

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22519
STATION

KANEIHE BAY, HAWAII
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 16000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 14000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 9000	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 8000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 7000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 6000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 5000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4000	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	78.3	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	94.6	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	96.9	97.8	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 1500	97.7	98.8	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 1200	97.8	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 1000	97.9	99.1	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 900	97.9	99.1	99.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 800	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 700	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 600	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 500	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 400	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
0	97.9	99.1	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

14591

JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	02	7.7	5.8	7.1	12.9	7.1	11.0	5.2	7.7	11.6	6.5	17.4	5.5	155
	05	10.3	3.9	11.0	10.3	7.7	6.5	6.5	6.5	10.3	8.4	18.7	5.5	155
	08	4.5	4.5	3.9	7.7	11.0	7.7	9.0	12.3	16.1	11.6	11.6	6.1	155
	11	1.9	4.5	6.5	10.3	10.3	12.9	5.8	9.0	16.1	11.0	11.6	6.0	155
	14		1.9	7.1	13.5	8.4	12.3	8.4	14.2	11.0	9.0	14.2	6.1	155
	17		1.9	3.9	11.0	12.9	9.7	7.7	12.3	10.3	13.5	16.8	6.5	155
	20	1.9	6.5	5.8	13.5	9.0	8.4	12.9	5.2	5.8	9.0	21.9	6.0	155
	23	5.8	4.5	9.7	14.2	10.3	5.2	8.4	8.4	5.8	9.7	18.1	5.6	155
TOTALS		4.0	4.2	6.0	11.7	9.6	9.2	8.0	9.5	10.9	9.8	16.3	5.9	1240

12-13
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	02	7.8	5.7	7.8	12.1	12.1	5.7	9.9	11.3	9.2	7.8	10.6	5.2	141
	05	8.5	2.1	5.7	14.9	16.3	8.5	14.2	4.3	7.8	9.2	8.5	5.1	141
	08	5.7	1.4	2.8	10.6	9.9	12.1	13.5	6.4	10.6	12.6	14.2	6.1	141
	11		5.7	6.4	5.7	11.3	10.6	10.6	19.1	6.4	8.5	15.6	6.2	141
	14		1.4	9.2	7.8	12.1	9.2	5.7	11.3	14.9	14.9	13.5	6.4	141
	17		.7	7.1	9.9	9.9	12.1	7.8	15.6	7.1	11.3	16.4	6.4	141
	20	4.3	3.5	9.9	11.3	5.7	15.6	7.8	10.6	9.9	9.2	12.1	5.6	141
	23	8.5	2.1	5.7	10.6	16.3	12.1	10.6	11.3	6.4	7.1	9.2	5.2	141
TOTALS		4.4	2.8	6.8	10.4	11.7	16.7	10.0	11.2	9.0	10.1	12.8	5.8	1328

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	02	3.9	2.6	5.2	9.0	7.1	8.4	9.0	14.8	16.1	7.1	16.8	6.3	155
	05	3.2	1.3	7.1	9.0	7.7	9.0	9.0	14.8	11.6	6.5	20.6	6.3	155
	08	.6	3.2	2.6	3.2	6.5	7.7	7.7	11.6	20.6	18.7	17.4	7.2	155
	11		.6	1.3	8.4	6.5	8.4	9.0	11.0	11.6	23.9	19.4	7.3	155
	14	.6		1.3	5.8	9.0	11.6	7.1	14.8	16.8	14.8	18.1	7.1	155
	17	1.3		.6	6.5	7.1	9.7	7.7	11.0	23.2	14.8	18.1	7.2	155
	20	.6	1.3	1.3	7.1	7.7	14.2	6.5	14.8	11.6	18.7	16.1	6.9	155
	23	2.6	1.9	2.6	6.5	12.9	18.1	5.8	16.1	14.8	7.7	11.0	6.1	155
TOTALS		1.6	1.4	2.8	6.9	8.1	10.9	7.7	13.6	15.8	14.0	17.2	6.8	1240

STATION NAME
KANEHOE BAY, HAWAII

73-77

PERIOD

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	02	2.7	3.3	3.3	6.0	4.7	12.0	7.3	13.3	18.7	8.7	20.0	6.7	150
	05	1.3	2.7	8.0	6.7	8.0	11.3	7.3	12.0	14.7	10.7	17.3	6.4	150
	08	.7	1.3	.7	6.0	4.0	9.3	7.3	14.7	16.7	17.3	22.0	7.4	150
	11	.7		.7	7.3	9.3	14.0	9.3	11.3	12.0	14.7	20.7	7.0	150
	14			2.7	4.0	10.7	10.7	8.0	12.7	15.3	14.7	21.3	7.2	150
	17		.7	1.3	4.7	8.7	14.0	7.3	10.7	16.7	12.0	24.0	7.2	150
	20		.7	1.3	8.0	5.3	14.0	5.3	10.7	15.3	16.0	23.3	7.3	150
	23	1.3	2.7	3.3	6.0	6.7	12.0	9.3	12.0	14.7	12.0	20.0	6.8	150
TOTALS		18	1.4	2.7	6.1	7.2	12.2	7.6	12.2	15.5	13.3	21.1	7.0	1200

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	02	2.6	1.3	5.2	12.3	13.5	11.6	11.0	11.0	12.3	8.4	11.0	5.9	155
	05	2.6	1.9	5.2	8.4	9.7	16.1	14.2	9.7	11.0	7.7	13.5	6.0	155
	08	.6	.6	1.3	11.0	11.6	12.3	2.6	14.8	16.8	17.4	11.0	6.6	155
	11			1.9	9.7	7.1	14.8	5.2	14.2	18.7	14.2	14.2	6.9	155
	14			3.9	6.5	14.2	14.2	9.0	9.7	20.0	11.6	11.0	6.5	155
	17		1.3	1.3	5.2	8.4	16.1	7.1	14.2	18.1	16.8	11.6	6.9	155
	20			.6	5.8	9.7	15.5	7.7	14.8	18.1	18.1	9.7	6.9	155
	23		.6	4.5	12.9	11.6	21.3	6.5	13.5	9.7	8.4	11.0	6.0	155
TOTALS		7	.7	3.0	9.0	10.7	15.2	7.9	12.7	15.6	12.8	11.6	6.5	1240

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	02		.7	5.3	9.3	12.7	16.0	6.0	16.7	17.3	6.7	9.3	6.1	150
	05		1.3	2.7	10.1	14.1	16.8	8.1	15.4	12.1	8.1	11.4	6.2	149
	08			2.7	5.3	7.3	14.7	5.3	16.0	17.3	18.7	12.7	7.0	150
	11			2.7	8.0	12.0	14.0	7.3	12.7	18.7	13.3	11.3	6.6	150
	14		.7	4.0	4.0	9.3	18.7	12.7	12.7	17.3	12.0	8.7	6.5	150
	17		.7	1.3	6.0	7.3	14.0	7.3	18.0	18.7	17.3	9.3	6.9	150
	20			1.3	8.0	7.3	16.0	6.0	23.3	15.3	14.0	8.7	6.7	150
	23		2.0	2.0	12.0	13.3	15.3	12.7	16.0	16.0	5.3	5.3	5.9	150
TOTALS			.7	2.8	7.8	10.4	15.7	8.2	16.4	16.6	11.9	9.6	6.5	1199

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	02	.6	1.3	4.5	14.8	14.2	14.8	8.4	7.1	18.7	7.1	8.4	5.8	155
	05	.6	1.9	3.9	10.3	14.8	21.3	8.4	9.0	9.7	10.3	9.7	5.9	155
	08				5.8	12.9	11.0	7.1	16.1	18.1	15.5	13.5	7.0	155
	11		.6	.6	10.3	7.7	16.8	6.5	20.0	16.8	11.6	9.0	6.6	155
	14			3.9	11.6	10.3	18.7	9.7	15.5	8.4	12.3	9.7	6.2	155
	17		.6	2.6	5.8	11.6	21.3	8.4	10.3	18.7	12.3	8.4	6.4	155
	20	.6	.6	1.3	5.8	18.1	12.3	3.2	12.3	18.7	14.8	12.3	6.7	155
	23		.6	3.9	15.5	13.5	15.5	13.5	12.3	9.0	8.4	7.7	5.8	155
TOTALS		2	.7	2.6	10.0	12.9	16.5	8.2	12.8	14.8	11.5	9.8	6.3	1240

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	02	.6	3.2	2.6	11.6	20.0	14.2	12.9	11.0	7.7	10.3	5.8	5.6	155
	05	.6	1.9	5.2	11.6	18.7	14.8	11.6	11.0	11.0	9.7	3.9	5.6	155
	08		1.3	3.2	5.2	8.4	18.1	7.7	10.3	20.0	14.8	11.0	6.7	155
	11		1.3	3.2	10.3	8.4	18.1	12.9	14.2	14.8	7.7	9.0	6.2	155
	14		1.3	4.5	12.3	16.8	16.1	9.7	7.7	9.0	14.8	7.7	5.9	155
	17		.6	2.6	9.7	11.6	20.0	7.7	11.6	18.7	9.7	7.7	6.2	155
	20		.6	3.9	9.7	12.9	18.7	5.2	12.9	9.0	16.1	11.0	6.3	155
	23	1.3	.6	4.5	15.5	15.5	18.7	7.7	11.6	11.0	7.1	6.5	5.6	155
TOTALS		3	1.4	3.7	10.7	14.0	17.3	9.4	11.3	12.7	11.3	7.8	6.0	1240

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	02	2.7	3.4	6.0	11.4	15.4	18.8	10.7	14.1	8.7	6.0	2.7	3.2	149
	05	6.0	2.0	11.4	19.5	15.4	10.7	10.7	10.1	11.4	3.4	1.3	4.7	149
	08	2.0		3.4	10.7	9.4	22.8	8.7	14.8	11.4	12.8	4.0	5.9	149
	11			5.4	10.7	16.8	16.1	10.1	8.7	16.1	6.0	10.1	6.0	149
	14			5.4	14.1	16.8	19.5	4.0	15.4	11.4	8.7	4.7	5.7	149
	17		.7	1.3	7.4	18.8	18.1	9.4	8.7	14.8	15.4	5.4	6.2	149
	20		3.4	4.7	7.4	10.1	18.1	10.1	12.1	13.4	14.8	6.0	6.1	149
	23	2.7	1.3	4.0	10.7	16.8	16.8	10.7	16.8	9.4	6.0	4.7	5.5	149
TOTALS		1.4	1.4	5.2	11.5	14.9	17.6	9.3	12.6	12.1	9.1	4.9	5.7	1192

STATION NAME
KANEHOE BAY, HAWAII

73-77

PERIOD

057 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	02	5.8	4.5	7.7	12.9	14.2	12.9	3.9	12.3	7.1	6.5	12.3	5.3	155
	05	8.4	2.6	9.7	15.5	13.5	9.0	8.4	5.8	11.6	4.5	11.0	5.0	155
	08	1.3	1.3	3.9	7.1	12.9	14.2	4.5	16.8	14.8	13.5	9.7	6.3	155
	11		.6	3.2	9.7	15.5	11.0	7.7	16.8	12.3	12.9	10.3	6.3	155
	14			.6	7.7	12.9	12.3	7.1	14.8	18.1	19.4	7.1	6.7	155
	17			2.6	4.5	10.3	17.4	7.1	14.8	17.4	14.8	11.0	6.8	155
	20	1.3	2.6	8.4	7.7	7.7	9.0	5.8	12.9	20.6	10.3	13.5	6.4	155
	23	2.6	.6	6.5	12.9	13.5	18.1	10.3	10.3	9.7	5.2	10.3	5.6	155
TOTALS		2.4	1.5	5.3	9.8	12.6	13.0	6.9	13.1	14.0	10.9	10.7	6.1	1240

PERIOD

DAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	02	4.7	5.4	6.7	12.8	8.7	9.4	7.4	13.4	8.1	9.4	14.1	5.7	149
	05	3.3	5.3	11.3	11.3	10.7	10.0	6.0	11.3	13.3	6.0	11.3	5.4	150
	08			7.3	4.7	8.7	9.3	6.7	18.7	15.3	12.0	17.3	6.8	150
	11			2.0	8.0	10.7	12.0	3.3	11.3	20.0	18.0	14.7	7.0	150
	14			3.3	5.3	12.0	11.3	10.7	12.7	14.0	13.3	17.3	6.9	150
	17		.7	4.7	4.7	10.0	13.3	6.0	11.3	16.7	20.0	12.7	6.9	150
	20	2.0	2.0	4.7	10.7	12.7	14.7	8.0	12.7	16.0	3.3	13.3	6.0	150
	23	2.7	4.0	5.3	9.3	10.0	13.3	6.7	18.7	12.0	8.7	9.3	5.9	150
TOTALS		1.6	2.2	5.7	8.4	10.4	11.7	6.9	13.8	14.4	11.3	13.8	6.3	1199

AD-A062 044

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) KANEOHE --ETC(U)
JUL 78

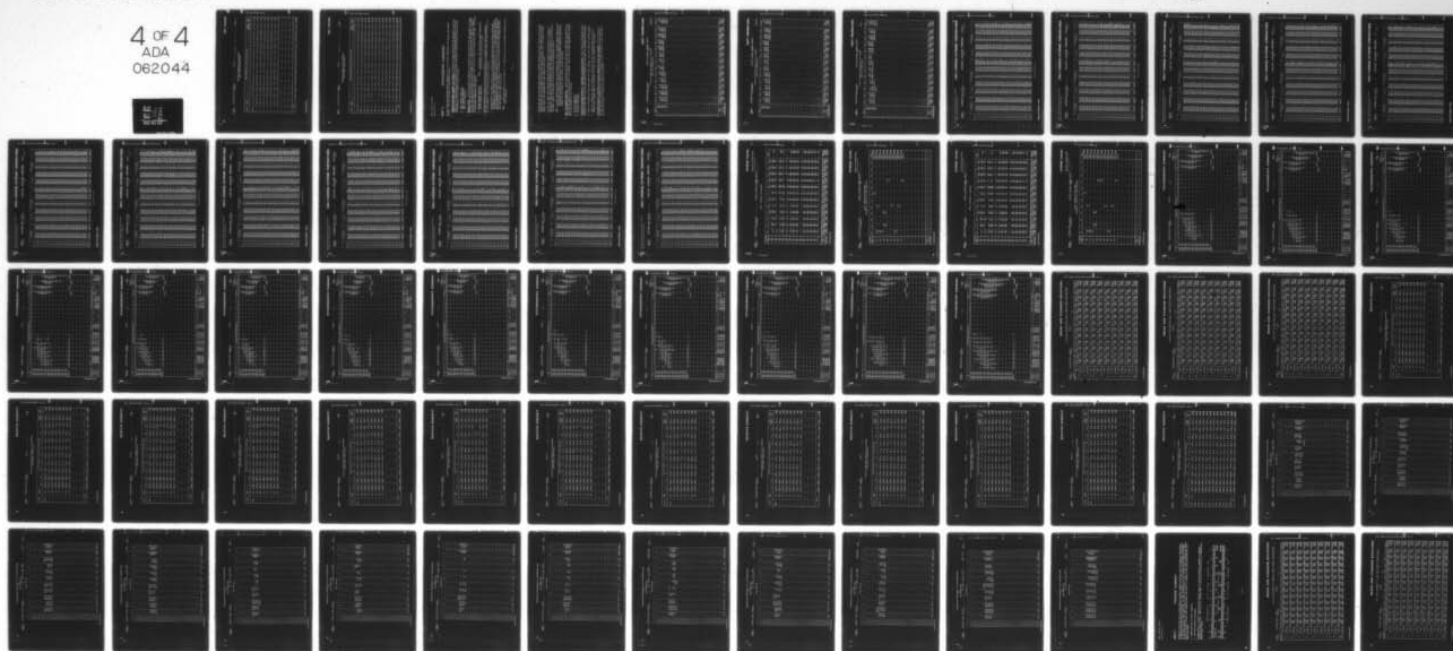
F/G 4/2

UNCLASSIFIED

NL

4 OF 4
ADA
062044

SIZE
4



END
DATE
FILMED

3 -79
DDC

73-77

STATION	STATION NAME
22519	KANEHOE BAY, HAWAII

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	02	7.1	3.2	12.3	14.3	8.4	13.0	5.2	10.4	9.1	7.8	9.1	5.1	154
	05	6.5	7.1	12.3	14.9	7.1	15.6	7.8	7.8	8.4	5.8	8.4	4.9	154
	08	.6	3.2	6.5	11.7	8.4	14.3	9.1	12.3	12.3	7.8	13.6	6.0	154
	11	.6	4.5	3.9	10.4	8.4	14.3	7.1	19.5	10.4	8.4	12.3	6.1	154
	14	1.3	2.6	6.5	13.0	13.0	9.7	5.2	11.7	16.9	10.4	9.7	5.9	154
	17	1.3	1.9	3.9	13.0	11.7	14.3	3.9	11.7	11.7	14.3	12.3	6.2	154
	20	1.3	.6	7.8	13.6	12.3	20.8	7.1	9.7	11.0	7.1	8.4	5.6	154
	23	5.2	4.5	8.4	12.9	14.8	15.5	9.7	9.7	7.7	3.9	7.7	5.0	155
TOTALS		2.7	3.5	7.7	13.0	10.5	14.7	6.9	11.6	10.9	8.2	10.2	5.6	1233

SKY COVER

5704 SKY COVER JAN 68

22519 STATION KANEHOE BAY, HAWAII PERIOD 73-77 ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	4.0	4.2	6.9	11.7	9.6	9.2	8.0	9.5	10.9	9.8	16.3	5.9	1240
FEB		4.4	2.8	6.8	10.4	11.7	10.7	10.0	11.2	9.0	10.1	12.8	5.8	1128
MAR		1.6	1.4	2.8	6.9	8.1	10.9	7.7	13.6	15.8	14.0	17.2	6.8	1240
APR		.8	1.4	2.7	6.1	7.2	12.2	7.6	12.2	15.5	13.3	21.1	7.0	1200
MAY		.7	.7	3.0	9.0	10.7	15.2	7.9	12.7	15.6	12.8	11.6	6.5	1240
JUN			.7	2.8	7.8	10.4	15.7	8.2	16.4	16.6	11.9	9.6	6.5	1199
JUL		.2	.7	2.6	10.0	12.9	16.5	8.2	12.8	14.8	11.5	9.8	6.3	1240
AUG		.3	1.4	3.7	10.7	14.0	17.3	9.4	11.3	12.7	11.3	7.8	6.0	1240
SEP		1.4	1.4	5.2	11.5	14.9	17.6	9.3	12.6	12.1	9.1	4.9	5.7	1192
OCT		2.4	1.5	5.3	9.8	12.6	13.0	6.9	13.1	14.0	10.9	10.7	6.1	1240
NOV		1.6	2.2	5.7	8.4	10.4	11.7	6.9	13.8	14.4	11.3	13.8	6.3	1199
DEC		2.7	3.5	7.7	13.0	10.5	14.7	6.9	11.6	10.9	8.2	10.2	5.6	1233
TOTALS		1.7	1.8	4.6	9.6	11.1	13.7	8.1	12.6	13.5	11.2	12.2	6.2	14591

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

[illegible]

NAVWEASERVCOM

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22519

KANEUHE BAY, HAWAII

1946-1949 1953-1955 9999-9999

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP				MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		EXTREME		AVERAGE		EXTREME		AVERAGE		EXTREME	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	72.5	22.5	77.0	25.0	80	26.7	1975*	68.0	20.0	60	15.6	1973
2	73.2	22.9	77.4	25.2	80	26.7	1975*	69.0	20.6	65	18.3	1973
3	73.1	22.8	77.7	25.4	84	28.9	1946	68.5	20.3	62	16.7	1947
4	73.2	22.9	78.0	25.6	84	28.9	1974*	68.4	20.2	63	17.2	1971
5	73.0	22.8	77.8	25.4	84	28.9	1946	68.1	20.1	60	15.6	1947
6	72.7	22.6	77.1	25.1	83	28.3	1977	68.3	20.2	62	16.7	1971*
7	72.1	22.3	76.3	24.6	82	27.8	1975	67.9	19.9	60	15.6	1971
8	72.6	22.6	77.6	25.3	81	27.2	1977	67.6	19.8	60	15.6	1949
9	72.1	22.3	77.0	25.0	82	27.8	1975	67.1	19.5	60	15.6	1949
10	72.4	22.4	77.4	25.2	83	28.3	1975	67.4	19.7	62	16.7	1970*
11	72.7	22.6	77.8	25.4	84	28.9	1977	67.6	19.8	62	16.7	1947
12	72.7	22.6	77.7	25.4	81	27.2	1977*	67.8	19.9	62	16.7	1949*
13	73.4	23.0	78.1	25.6	82	27.8	1949	68.7	20.4	62	16.7	1949
14	73.3	22.9	78.6	25.9	84	28.9	1977	68.0	20.0	62	16.7	1947
15	73.1	22.8	78.5	25.8	83	28.3	1975*	67.8	19.9	61	16.1	1947
16	73.5	23.1	78.3	25.7	86	30.0	1975	68.6	20.3	64	17.8	1949
17	73.3	22.9	78.3	25.7	85	29.4	1975	68.2	20.1	62	16.7	1949
18	73.3	22.9	78.3	25.7	85	29.4	1975	68.3	20.2	64	17.8	1971*
19	73.9	23.3	79.4	26.3	87	30.6	1974	68.3	20.2	64	17.8	1971*
20	73.1	22.8	78.3	25.7	86	30.0	1975	67.9	19.9	63	17.2	1969
21	72.7	22.6	78.2	25.7	85	29.4	1975*	67.2	19.6	60	15.6	1955
22	72.8	22.7	77.6	25.3	85	29.4	1975	68.0	20.0	62	16.7	1971
23	72.3	22.4	77.0	25.0	83	28.3	1976*	67.6	19.8	62	16.7	1971*
24	73.3	22.9	78.1	25.6	83	28.3	1976	68.4	20.2	60	15.6	1948
25	72.9	22.7	78.0	25.6	83	28.3	1973	67.9	19.9	61	16.1	1948
26	72.6	22.6	77.4	25.2	83	28.3	1962	67.7	19.8	64	17.8	1972*
27	72.2	22.3	77.0	25.0	82	27.8	1977	67.5	19.7	61	16.1	1948
28	72.1	22.3	77.1	25.1	86	30.0	1974	67.0	19.4	62	16.7	1971
29	72.5	22.5	77.3	25.2	83	28.3	1976	67.7	19.8	61	16.1	1947
30	72.5	22.5	77.3	25.2	81	27.2	1977*	67.7	19.8	63	17.2	1972*
31	72.5	22.5	77.0	25.0	82	27.8	1971	68.0	20.0	60	15.6	1972*
Monthly	72.8	22.7	77.7	25.4	87	30.6	1974	67.9	19.9	60	15.6	1973*

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519

KANEDHE BAY, HAWAII

1946-1949 1953-1955 9999-9999

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	72.5	22.5	77.5	25.3	86	30.0	1974	1974	67.4	19.7	60	15.6	1972	1972
2	73.1	22.8	77.9	25.5	85	29.4	1974	1974	68.3	20.2	61	16.1	1972	1972
3	73.3	22.9	78.6	25.9	88	31.1	1974	1974	67.9	19.9	63	17.2	1976	1976
4	73.7	23.2	79.0	26.1	85	29.4	1974	1974	68.4	20.2	64	17.8	1949*	1949*
5	73.3	22.9	78.3	25.7	83	28.3	1971*	1971*	68.4	20.2	62	16.7	1947	1947
6	73.2	22.9	77.8	25.4	82	27.8	1955	1955	68.6	20.3	63	17.2	1948	1948
7	72.9	22.7	77.1	25.2	82	27.8	1960	1960	68.5	20.3	63	17.2	1948	1948
8	72.0	22.2	77.0	25.0	82	27.8	1977	1977	67.0	19.4	60	15.6	1976	1976
9	72.6	22.6	77.6	25.3	85	29.4	1977	1977	67.6	19.8	60	15.6	1948	1948
10	72.7	22.6	77.2	25.1	82	27.8	1958	1958	68.3	20.2	60	15.6	1948	1948
11	72.5	22.5	76.9	24.9	81	27.2	1977*	1977*	68.1	20.1	61	16.1	1947	1947
12	72.5	22.5	77.3	25.2	83	28.3	1969	1969	67.8	19.9	61	16.1	1947	1947
13	73.0	22.8	77.6	25.3	80	26.7	1976*	1976*	68.4	20.2	63	17.2	1948*	1948*
14	72.9	22.7	77.1	25.1	82	27.8	1958	1958	68.6	20.3	63	17.2	1948	1948
15	72.3	22.4	76.3	24.6	81	27.2	1963	1963	68.4	20.2	61	16.1	1948	1948
16	72.4	22.4	77.0	25.0	83	28.3	1963*	1963*	67.9	19.9	62	16.7	1955	1955
17	72.8	22.7	77.9	25.5	84	28.9	1970	1970	67.8	19.9	62	16.7	1955	1955
18	72.7	22.6	77.3	25.2	81	27.2	1974	1974	68.2	20.1	64	17.8	1972*	1972*
19	73.0	22.8	77.5	25.3	85	29.4	1970	1970	68.4	20.2	63	17.2	1971*	1971*
20	72.5	22.5	77.5	25.3	84	28.9	1958	1958	67.5	19.7	61	16.1	1962	1962
21	72.5	22.5	77.4	25.2	83	28.3	1974	1974	67.6	19.8	63	17.2	1962	1962
22	72.1	22.3	76.3	24.7	83	28.3	1963	1963	67.6	19.8	62	16.7	1962*	1962*
23	72.2	22.3	76.7	24.8	83	28.3	1963	1963	67.6	19.8	62	16.7	1973	1973
24	72.2	22.3	76.0	24.4	80	26.7	1974*	1974*	68.3	20.2	63	17.2	1973*	1973*
25	72.3	22.4	76.6	24.8	82	27.8	1946	1946	67.9	19.9	62	16.7	1973	1973
26	72.7	22.6	77.2	25.1	81	27.2	1974	1974	68.3	20.2	64	17.8	1947	1947
27	73.1	22.8	77.4	25.2	82	27.8	1958	1958	68.8	20.4	63	17.2	1947	1947
28	72.7	22.6	77.4	25.2	84	28.9	1972	1972	68.0	20.0	62	16.7	1953	1953
29	74.4	23.6	80.2	26.8	82	27.8	1972	1972	68.6	20.3	64	17.8	1948	1948
30														
31														
Monthly	72.7	22.6	77.4	25.2	88	31.1	1974	1974	68.1	20.1	60	15.6	1976*	1976*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 22519 KANE OHE BAY, HAWAII STATION NAME 1946-1949 1953-1955 9999-9999 YEARS MONTH MARCH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	72.2	22.3	76.7	24.8	82	27.8	67.6	19.8	64	17.8	1955*
2	73.0	22.8	77.2	25.1	81	27.2	68.7	20.4	67	19.4	1976*
3	72.7	22.6	77.1	25.1	82	27.8	68.2	20.1	65	18.3	1976*
4	72.8	22.7	77.1	25.1	82	27.8	68.5	20.3	65	18.3	1976*
5	72.2	22.3	76.5	24.7	82	27.8	68.0	20.0	60	15.6	1954
6	72.2	22.3	76.6	24.8	81	27.2	67.8	19.9	62	16.7	1954
7	72.8	22.7	77.5	25.3	84	28.9	68.1	20.1	61	16.1	1955
8	72.8	22.7	77.1	25.1	84	28.9	68.5	20.3	64	17.8	1962
9	72.8	22.7	77.7	25.4	83	28.3	68.0	20.0	63	17.2	1948
10	73.3	22.9	78.3	25.7	85	29.4	68.3	20.2	64	17.8	1948
11	73.2	22.9	78.3	25.7	87	30.6	68.0	20.0	65	18.3	1974*
12	72.6	22.6	77.6	25.3	84	28.9	67.6	19.8	62	16.7	1976
13	72.9	22.7	77.8	25.4	86	30.0	68.0	20.0	61	16.1	1976
14	72.5	22.5	77.0	25.0	84	28.9	68.0	20.0	63	17.2	1976
15	72.4	22.4	77.1	25.1	84	28.9	67.6	19.8	62	16.7	1976
16	73.2	22.9	77.9	25.5	84	28.9	68.5	20.3	62	16.7	1955
17	73.1	22.8	77.8	25.4	83	28.3	68.4	20.2	60	15.6	1955
18	72.5	22.5	77.2	25.1	82	27.8	67.9	19.9	60	15.6	1955
19	73.2	22.9	77.6	25.3	81	27.2	68.8	20.4	64	17.8	1955
20	73.5	23.1	77.8	25.4	86	30.0	69.2	20.7	64	17.8	1971
21	73.5	23.1	77.8	25.4	83	28.3	69.3	20.7	63	17.2	1971
22	73.2	22.9	77.8	25.4	84	28.9	68.7	20.4	65	18.3	1976*
23	73.2	22.9	77.5	25.3	83	28.3	69.0	20.6	64	17.8	1955
24	72.7	22.6	77.3	25.2	86	30.0	68.1	20.1	62	16.7	1955
25	72.7	22.6	77.0	25.0	82	27.8	68.4	20.2	61	16.1	1955
26	73.1	22.8	78.0	25.6	86	30.0	68.2	20.1	61	16.1	1955
27	73.3	22.9	77.9	25.5	85	29.4	68.8	20.4	63	17.2	1947
28	73.3	22.9	77.5	25.3	84	28.9	69.0	20.6	65	18.3	1975*
29	72.7	22.6	77.0	25.0	83	28.3	68.5	20.3	64	17.8	1975
30	73.3	22.9	77.7	25.4	83	28.3	69.0	20.6	65	18.3	1972*
31	73.2	22.9	77.7	25.4	83	28.3	68.8	20.4	64	17.8	1971
Monthly	72.9	22.7	77.5	25.3	87	30.6	68.4	20.2	60	15.6	1955*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

KANEOHE BAY, HAWAII

STATION NAME

1945-1949 1953-1955 1959-1969

YEARS

APRIL

MONTH

DAY	MEAN TEMP		AVERAGE				MAXIMUM TEMP				EXTREME				AVERAGE				MINIMUM TEMP									
	AVERAGE		° C		° F		° C		° F		° C		° F		° C		° F		° C		° F		° C		° F		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	73.7	23.2	78.1	25.6	83	28.3	69.3	20.7	64	17.8	1971																	
2	73.2	22.9	77.0	25.0	84	28.9	69.3	20.7	61	16.1	1948																	
3	73.4	23.0	77.6	25.3	83	28.3	69.2	20.7	66	18.9	1973*																	
4	73.2	22.9	77.4	25.2	81	27.2	68.9	20.5	63	18.3	1973																	
5	72.9	22.7	77.2	25.1	81	27.2	68.7	20.4	64	17.8	1973																	
6	72.8	22.7	77.1	25.1	81	27.2	68.5	20.3	64	17.8	1973																	
7	73.5	23.1	77.9	25.5	81	27.2	69.1	20.6	63	17.2	1973																	
8	73.7	23.2	78.1	25.6	82	27.8	69.3	20.7	63	17.2	1973																	
9	74.3	23.5	78.5	25.8	83	28.3	70.0	21.1	65	18.3	1973																	
10	74.4	23.6	78.7	25.9	83	28.3	70.1	21.2	66	18.9	1953*																	
11	74.1	23.4	78.3	25.7	87	30.6	69.9	21.1	65	18.3	1947																	
12	74.0	23.3	78.4	25.8	84	28.9	69.5	20.8	62	16.7	1947																	
13	74.0	23.3	78.5	25.8	84	28.9	69.4	20.8	63	18.3	1948*																	
14	73.7	23.2	78.0	25.6	82	27.8	69.3	20.7	62	16.7	1948																	
15	73.4	23.0	77.6	25.3	82	27.8	69.2	20.7	64	17.8	1949																	
16	73.6	23.1	78.3	25.7	81	27.2	68.9	20.5	62	16.7	1947																	
17	74.3	23.5	78.7	25.9	82	27.8	69.9	21.1	66	18.9	1953*																	
18	74.3	23.5	78.3	25.7	83	28.3	70.3	21.3	67	19.4	1955																	
19	74.3	23.5	78.3	25.7	81	27.2	70.3	21.3	67	19.4	1971																	
20	74.2	23.4	78.6	25.9	82	27.8	69.9	21.1	64	17.8	1958																	
21	74.3	23.5	78.6	25.9	82	27.8	70.0	21.1	62	16.7	1958																	
22	74.5	23.6	78.6	25.9	83	28.3	70.3	21.3	63	17.2	1958																	
23	74.4	23.6	78.7	25.9	84	28.9	70.1	21.2	65	18.3	1971*																	
24	74.3	23.5	78.6	25.9	82	27.8	70.0	21.1	67	19.4	1971																	
25	74.4	23.6	78.5	25.8	82	27.8	70.3	21.3	66	18.9	1971*																	
26	74.7	23.7	79.0	26.1	82	27.8	70.4	21.3	66	18.9	1973																	
27	75.0	23.9	78.9	26.1	82	27.8	71.0	21.7	68	20.0	1976*																	
28	75.1	23.9	79.4	26.3	83	28.3	70.9	21.6	67	19.4	1973*																	
29	75.0	23.9	79.4	26.3	84	28.9	70.7	21.5	68	20.0	1976*																	
30	74.8	23.8	79.0	26.1	82	27.8	70.6	21.4	67	19.4	1976																	
31																												
Monthly	74.0	23.3	78.3	25.7	87	30.6	69.8	21.0	61	16.1	1948																	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2
NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519

KANEHOE BAY, HAWAII

1945-1949 1953-1955 9999-9999

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	75.1	23.9	79.0	26.1	84	28.9	71.1	21.7	67	19.4	1948
2	74.8	23.8	79.1	26.2	83	28.3	70.5	21.4	67	19.4	1947
3	74.7	23.7	79.0	26.1	83	28.3	70.4	21.3	66	18.9	1954
4	74.8	23.8	79.2	26.2	85	29.4	70.3	21.3	66	18.9	1946
5	74.5	23.6	78.7	25.9	84	28.9	70.3	21.3	66	18.9	1954*
6	74.8	23.8	79.0	26.1	83	28.3	70.6	21.4	67	19.4	1946
7	75.1	23.9	79.5	26.4	84	28.9	70.7	21.5	66	18.9	1946
8	75.0	23.9	79.5	26.4	81	27.2	70.6	21.4	66	18.9	1973
9	75.0	23.9	79.3	26.3	81	27.2	70.7	21.5	65	18.3	1973
10	75.0	23.9	79.4	26.3	83	28.3	70.7	21.5	67	19.4	1973
11	75.4	24.1	79.9	26.6	83	28.3	70.8	21.6	67	19.4	1971
12	75.0	23.9	79.8	26.6	85	29.4	70.3	21.3	62	16.7	1946
13	74.8	23.8	79.0	26.1	81	27.2	70.6	21.4	68	20.0	1973*
14	75.2	24.0	79.5	26.4	83	28.3	71.0	21.7	65	18.3	1973
15	75.1	23.9	79.5	26.4	82	27.8	70.7	21.5	66	18.9	1973
16	74.8	23.8	78.7	25.9	83	28.3	70.9	21.6	65	18.3	1973
17	75.5	24.2	79.5	26.4	83	28.3	71.5	21.9	66	18.9	1973
18	75.6	24.2	79.8	26.6	83	28.3	71.5	21.9	66	18.9	1973
19	75.7	24.3	79.7	26.5	83	28.3	71.0	22.1	68	20.0	1958
20	75.6	24.2	79.7	26.5	82	27.8	71.5	21.9	67	19.4	1973
21	75.3	24.1	79.6	26.4	83	28.3	71.1	21.7	67	19.4	1973
22	75.8	24.3	80.1	26.7	84	28.9	71.4	21.9	67	19.4	1947
23	75.7	24.3	80.2	26.8	85	29.4	71.3	21.8	67	19.4	1971
24	75.9	24.4	79.9	26.6	83	28.3	71.9	22.2	69	20.6	1973*
25	75.8	24.3	80.0	26.7	85	29.4	71.6	22.0	67	19.4	1971
26	75.9	24.4	80.5	26.9	85	29.4	71.2	21.8	68	20.0	1973
27	76.0	24.4	80.3	26.8	84	28.9	71.7	22.1	67	19.4	1973*
28	76.4	24.7	80.8	27.1	87	30.6	72.0	22.2	69	20.6	1973*
29	76.5	24.7	80.7	27.1	87	30.6	72.4	22.4	67	19.4	1971
30	76.2	24.6	80.7	27.1	86	30.0	71.7	22.1	67	19.4	1971
31	76.5	24.7	81.0	27.2	84	28.9	72.0	22.2	69	20.6	1974
Monthly	75.4	24.1	79.7	26.5	87	30.6	71.1	21.7	62	16.7	1946

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

22519

KANELOHE BAY, HAWAII

1945-1949 1953-1955 9999-9999

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		°C	AVERAGE		EXTREME		AVERAGE		EXTREME		
	°F	°C		°F	°C	°F	°C	°F	°C	°F	°C	
1	76.5	24.7	80.8	27.1	85	29.4	1969	72.3	22.4	67	19.4	1971
2	77.1	25.1	81.6	27.6	86	30.0	1960	72.6	22.6	67	19.4	1971
3	76.8	24.9	81.1	27.3	85	29.4	1972	72.5	22.3	69	20.6	1973
4	76.7	24.8	81.0	27.2	84	28.9	1975*	72.5	22.3	67	19.4	1973
5	76.7	24.8	81.0	27.2	85	29.4	1974	72.4	22.4	67	19.4	1973
6	76.9	24.9	81.3	27.4	85	29.4	1972	72.6	22.6	68	20.0	1973
7	76.8	24.9	81.3	27.4	85	29.4	1969	72.2	22.3	67	19.4	1971
8	76.7	24.8	81.0	27.2	84	28.9	1972*	72.4	22.4	68	20.0	1948
9	76.8	24.9	81.2	27.3	84	28.9	1948	72.4	22.4	67	19.4	1971*
10	76.9	24.9	81.0	27.2	85	29.4	1972	72.6	22.7	68	20.0	1955
11	77.2	25.1	81.7	27.6	86	30.0	1972	72.6	22.6	69	20.6	1973*
12	76.9	24.9	81.1	27.3	84	28.9	1969	72.7	22.6	68	20.0	1948
13	76.7	24.8	81.2	27.3	88	31.1	1969	72.2	22.3	67	19.4	1973
14	77.2	25.1	81.5	27.5	90	32.2	1969	72.8	22.7	67	19.4	1973
15	77.3	25.2	81.6	27.6	88	31.1	1969	73.0	22.8	68	20.0	1973*
16	77.2	25.1	81.6	27.6	86	30.0	1955	72.7	22.6	68	20.0	1971
17	77.0	25.0	81.5	27.5	87	30.6	1974	72.5	22.3	70	21.1	1975*
18	76.8	24.9	81.2	27.3	86	30.0	1969	72.5	22.3	68	20.0	1972
19	76.9	24.9	81.2	27.3	85	29.4	1969	72.7	22.6	68	20.0	1972
20	76.8	24.9	81.0	27.2	86	30.0	1969	72.5	22.3	69	20.6	1973*
21	77.0	25.0	81.2	27.3	87	30.6	1969	72.9	22.7	68	20.0	1972
22	77.2	25.1	81.5	27.5	85	29.4	1969	73.0	22.8	68	20.0	1972
23	76.9	24.9	81.1	27.3	86	30.0	1969	72.7	22.6	69	20.6	1972
24	77.0	25.0	81.3	27.4	87	30.6	1969	72.8	22.7	69	20.6	1972*
25	77.0	25.0	81.4	27.4	85	29.4	1969	72.7	22.6	67	19.4	1972
26	76.7	24.8	81.3	27.4	85	29.4	1961	72.2	22.3	67	19.4	1972
27	76.8	24.9	81.3	27.4	85	29.4	1974	72.3	22.4	67	19.4	1972
28	77.1	25.1	81.7	27.6	84	28.9	1974*	72.5	22.3	68	20.0	1972
29	76.6	24.8	81.0	27.2	84	28.9	1974*	72.2	22.3	67	19.4	1955
30	77.0	25.0	81.6	27.6	86	30.0	1969	72.5	22.3	69	20.6	1975*
31												
Monthly	76.9	24.9	81.3	27.4	90	32.2	1969	72.6	22.6	67	19.4	1973*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 22519 KANEHOE BAY, HAWAII STATION NAME
YEARS 1945-1949 1952-1955 9999-9999 MONTH JULY

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	DATE	DATE
1	77.0	25.0	81.2	27.3	86	30.0	72.7	22.6	69	20.6	1974*	1975	72.7	22.6	69	20.6	1974*	1975
2	76.7	24.8	81.2	27.3	86	30.0	72.2	22.3	67	19.4	1969	1971	72.2	22.3	67	19.4	1969	1971
3	77.3	25.2	81.6	27.6	88	31.1	73.0	22.8	69	20.6	1974	1975	73.0	22.8	69	20.6	1974	1975
4	77.3	25.2	81.6	27.6	88	31.1	73.0	22.8	69	20.6	1974	1975	73.0	22.8	69	20.6	1974	1975
5	77.4	25.2	81.6	27.6	86	30.0	73.1	22.8	70	21.1	1974*	1973*	73.1	22.8	70	21.1	1974*	1973*
6	77.6	25.3	81.8	27.7	86	30.0	73.4	23.0	69	20.6	1969	1973	73.4	23.0	69	20.6	1969	1973
7	77.5	25.3	81.9	27.7	85	29.4	73.2	22.9	70	21.1	1974*	1975*	73.2	22.9	70	21.1	1974*	1975*
8	77.4	25.2	81.8	27.7	87	30.6	72.9	22.7	69	20.6	1969	1973*	72.9	22.7	69	20.6	1969	1973*
9	77.5	25.3	81.7	27.6	86	30.0	73.2	22.9	67	19.4	1974*	1953	73.2	22.9	67	19.4	1974*	1953
10	77.1	25.1	81.5	27.5	86	30.0	72.8	22.7	68	20.0	1969	1953	72.8	22.7	68	20.0	1969	1953
11	77.4	25.2	81.6	27.6	86	30.0	73.2	22.9	68	20.0	1969	1975	73.2	22.9	68	20.0	1969	1975
12	77.5	25.3	81.6	27.6	87	30.6	73.4	23.0	70	21.1	1969	1975*	73.4	23.0	70	21.1	1969	1975*
13	77.7	25.4	82.0	27.8	86	30.0	73.4	23.0	70	21.1	1974*	1972*	73.4	23.0	70	21.1	1974*	1972*
14	77.7	25.4	81.9	27.7	87	30.6	73.4	23.0	71	21.7	1969	1976*	73.4	23.0	71	21.7	1969	1976*
15	77.4	25.2	81.7	27.6	85	29.4	73.1	22.8	68	20.0	1969	1972	73.1	22.8	68	20.0	1969	1972
16	77.4	25.2	81.7	27.6	85	29.4	73.0	22.8	70	21.1	1969*	1972*	73.0	22.8	70	21.1	1969*	1972*
17	77.2	25.1	81.6	27.6	86	30.0	72.8	22.7	70	21.1	1969	1973*	72.8	22.7	70	21.1	1969	1973*
18	77.6	25.3	81.8	27.7	85	29.4	73.3	22.9	69	20.6	1974*	1971*	73.3	22.9	69	20.6	1974*	1971*
19	77.5	25.3	81.8	27.7	85	29.4	73.2	22.9	71	21.7	1974	1973*	73.2	22.9	71	21.7	1974	1973*
20	77.7	25.4	82.1	27.8	87	30.6	73.2	22.9	69	20.6	1969	1971	73.2	22.9	69	20.6	1969	1971
21	77.9	25.5	82.2	27.9	86	30.0	73.5	23.1	69	20.6	1974	1953	73.5	23.1	69	20.6	1974	1953
22	77.9	25.5	82.4	28.0	86	30.0	73.4	23.0	71	21.7	1974*	1976*	73.4	23.0	71	21.7	1974*	1976*
23	77.8	25.4	82.1	27.8	87	30.6	73.6	23.1	70	21.1	1974	1973	73.6	23.1	70	21.1	1974	1973
24	77.8	25.4	82.2	27.9	87	30.6	73.5	23.1	68	20.0	1969	1953	73.5	23.1	68	20.0	1969	1953
25	78.0	25.6	82.2	27.9	85	29.4	73.8	23.2	70	21.1	1974*	1953	73.8	23.2	70	21.1	1974*	1953
26	77.8	25.4	82.1	27.8	86	30.0	73.6	23.1	70	21.1	1969*	1971*	73.6	23.1	70	21.1	1969*	1971*
27	78.0	25.6	82.3	27.9	86	30.0	73.7	23.2	69	20.6	1960	1948	73.7	23.2	69	20.6	1960	1948
28	78.2	25.7	82.4	28.0	87	30.6	74.0	23.3	69	20.6	1969	1954	74.0	23.3	69	20.6	1969	1954
29	78.1	25.6	82.6	28.1	86	30.0	73.7	23.2	69	20.6	1974	1954*	73.7	23.2	69	20.6	1974	1954*
30	78.2	25.7	82.7	28.2	87	30.6	73.6	23.1	70	21.1	1974	1954	73.6	23.1	70	21.1	1974	1954
31	78.3	25.7	82.8	28.2	87	30.6	73.8	23.2	70	21.1	1974*	1972*	73.8	23.2	70	21.1	1974*	1972*
Monthly	77.6	25.3	81.9	27.7	88	31.1	73.3	22.9	67	19.4	1974	1971*	73.3	22.9	67	19.4	1974	1971*

*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1973

22519
STATION

KANEHUE BAY, HAWAII
STATION NAME

1945-1949 1952-1955 9999-9999
YEARS

AUGUST
MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	78.3	25.7	82.7	28.2	87	30.6	1974		74.0	23.3	70	21.1	1953	
2	77.6	25.3	82.4	28.0	86	30.0	1969		72.8	22.7	68	20.0	1973*	
3	78.0	25.6	82.8	28.2	88	31.1	1969		73.3	22.9	69	20.6	1971	
4	78.0	25.6	82.5	28.1	87	30.6	1969		73.4	23.0	68	20.0	1971	
5	78.0	25.6	82.6	28.1	86	30.0	1969		73.4	23.0	69	20.6	1974*	
6	78.0	25.6	82.3	27.9	85	29.4	1977*		73.7	23.2	69	20.6	1946	
7	78.3	25.8	82.9	28.3	86	30.0	1959		74.1	23.4	70	21.1	1973*	
8	78.4	25.8	82.9	28.3	88	31.1	1969		73.9	23.3	71	21.7	1973	
9	78.4	25.8	83.0	28.3	88	31.1	1969		73.8	23.2	69	20.6	1972	
10	78.7	25.9	83.0	28.3	86	30.0	1974*		74.4	23.6	71	21.7	1971*	
11	78.7	25.9	82.8	28.2	85	29.4	1960		74.7	23.7	72	22.2	1973*	
12	78.4	25.8	82.6	28.1	86	30.0	1974		74.2	23.4	71	21.7	1974*	
13	78.6	25.9	82.9	28.3	86	30.0	1974*		74.2	23.4	69	20.6	1971	
14	78.6	25.9	82.8	28.2	85	29.4	1973		74.4	23.6	69	20.6	1955	
15	78.9	26.1	83.0	28.3	85	29.4	1977*		74.8	23.8	70	21.1	1954	
16	78.9	26.1	83.7	28.7	88	31.1	1974		74.2	23.4	70	21.1	1955	
17	79.0	26.1	83.3	28.5	89	31.7	1974		74.6	23.7	70	21.1	1975*	
18	78.8	26.0	83.0	28.3	86	30.0	1974		74.0	23.7	70	21.1	1954	
19	79.0	26.1	83.2	28.4	88	31.1	1974		74.7	23.7	71	21.7	1955	
20	78.5	25.8	82.9	28.3	87	30.6	1973		74.0	23.3	70	21.1	1971	
21	78.8	26.0	83.2	28.4	86	30.0	1973*		74.4	23.6	69	20.6	1953	
22	79.0	26.1	83.2	28.4	86	30.0	1959		74.9	23.8	72	22.2	1974*	
23	78.8	26.0	83.1	28.4	86	30.0	1974*		74.5	23.6	70	21.1	1954	
24	78.5	25.8	82.9	28.3	86	30.0	1974		74.2	23.4	70	21.1	1954*	
25	78.7	25.9	83.0	28.3	85	29.4	1973*		74.4	23.6	70	21.1	1953	
26	78.6	25.9	82.9	28.3	86	30.0	1977*		74.3	23.5	70	21.1	1974	
27	78.6	25.9	82.9	28.3	88	31.1	1974		74.3	23.5	70	21.1	1974	
28	78.4	25.8	82.6	28.1	86	30.0	1974		74.2	23.4	68	20.0	1954	
29	78.7	25.9	83.0	28.3	88	31.1	1974		74.4	23.6	71	21.7	1975*	
30	78.9	26.1	83.2	28.4	87	30.6	1974		74.6	23.7	71	21.7	1955*	
31	78.9	26.1	83.3	28.5	89	31.7	1972		74.6	23.7	71	21.7	1975*	
Monthly	78.6	25.9	82.9	28.3	89	31.7	1974*		74.2	23.4	68	20.0	1973*	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22519

KANEHOE BAY, HAWAII

1945-1949 1952-1955 9999-9999

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	79.3	26.3	84.0	28.9	90	32.2	70	21.1	74.6	23.7	70	21.1	1946
2	78.9	26.1	83.3	28.3	87	30.6	70	21.1	74.6	23.7	70	21.1	1955
3	78.6	25.9	83.0	28.3	88	31.1	70	21.1	74.2	23.4	70	21.1	1972*
4	78.7	25.9	83.0	28.3	91	32.8	70	21.1	74.3	23.5	70	21.1	1955*
5	78.6	25.9	83.1	28.4	88	31.1	70	21.1	74.1	23.4	70	21.1	1955*
6	78.7	25.9	83.1	28.4	88	31.1	70	21.1	74.4	23.6	70	21.1	1955
7	78.9	26.1	83.4	28.6	88	31.1	71	21.7	74.5	23.6	71	21.7	1971*
8	78.4	25.8	82.8	28.2	86	30.0	68	20.0	74.0	23.3	68	20.0	1972
9	78.6	25.9	82.9	28.3	85	29.4	69	20.6	74.4	23.6	69	20.6	1972
10	79.2	26.2	83.4	28.6	88	31.1	73	22.8	75.0	23.9	73	22.8	1975*
11	79.0	26.1	83.2	28.4	88	31.1	70	21.1	74.8	23.8	70	21.1	1972
12	79.0	26.1	83.5	28.6	87	30.6	71	21.7	74.6	23.7	71	21.7	1973*
13	79.1	26.2	83.3	28.5	86	30.0	69	20.6	74.9	23.8	69	20.6	1972
14	79.2	26.2	83.5	28.6	88	31.1	72	22.2	74.8	23.8	72	22.2	1975*
15	79.1	26.2	83.3	28.5	86	30.0	72	22.2	74.9	23.8	72	22.2	1975*
16	79.1	26.2	83.6	28.7	90	32.2	71	21.7	74.7	23.7	71	21.7	1970
17	78.5	25.8	82.9	28.3	86	30.0	68	20.0	74.0	23.3	68	20.0	1954
18	78.9	26.1	83.3	28.5	87	30.6	70	21.1	74.5	23.6	70	21.1	1954
19	79.0	26.1	83.3	28.5	88	31.1	72	22.2	74.6	23.7	72	22.2	1974*
20	79.4	26.3	83.8	28.8	87	30.6	72	22.2	75.0	23.9	72	22.2	1975*
21	78.8	26.0	83.2	28.4	87	30.6	71	21.7	74.4	23.6	71	21.7	1952
22	79.0	26.1	83.5	28.6	87	30.6	71	21.7	74.4	23.6	71	21.7	1974
23	78.8	26.0	83.3	28.5	87	30.6	71	21.7	74.2	23.4	71	21.7	1974*
24	78.7	25.9	83.5	28.6	88	31.1	68	20.0	74.0	23.3	68	20.0	1948
25	78.7	25.9	83.1	28.4	88	31.1	72	22.2	74.4	23.6	72	22.2	1961*
26	79.0	26.1	83.2	28.4	87	30.6	72	22.2	74.9	23.8	72	22.2	1974*
27	78.7	25.9	83.3	28.5	88	31.1	70	21.1	74.2	23.4	70	21.1	1954
28	78.7	25.9	83.2	28.4	87	30.6	72	22.2	74.3	23.5	72	22.2	1977*
29	79.0	26.1	83.7	28.7	88	31.1	70	21.1	74.2	23.4	70	21.1	1946
30	79.1	26.2	83.8	28.8	90	32.2	68	20.0	74.3	23.5	68	20.0	1953
31													
Monthly	78.9	26.1	83.3	28.5	91	32.8	68	20.0	74.5	23.6	68	20.0	1972*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22519

KANEIHE BAY, HAWAII

1945-1949 1952-1955 9999-9999

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	AVERAGE °F	AVERAGE °C	EXTREME °F	
1	78.5	25.8	83.2	28.4	86	73.8	23.2	67	1977*
2	78.8	26.0	83.2	28.4	88	74.4	23.6	72	1960
3	79.0	26.1	83.9	28.8	91	74.2	23.4	71	1968
4	78.9	26.1	83.7	28.7	87	74.1	23.4	70	1973*
5	78.7	25.9	83.3	28.5	87	74.1	23.4	71	1976
6	78.3	25.7	83.2	28.4	86	73.5	23.1	71	1974*
7	78.3	25.7	82.7	28.2	88	73.9	23.3	70	1972
8	78.6	25.9	83.2	28.4	88	74.1	23.4	70	1972
9	78.7	25.9	83.6	28.7	90	73.8	23.2	70	1977
10	78.8	26.0	83.3	28.5	89	74.2	23.4	70	1972
11	78.0	25.6	82.7	28.2	89	73.3	22.9	67	1968
12	78.4	25.8	83.3	28.5	90	73.4	23.0	70	1968
13	77.9	25.5	82.8	28.2	89	73.0	22.8	69	1972
14	78.2	25.7	82.8	28.2	90	73.6	23.1	70	1972
15	78.1	25.6	82.9	28.3	86	73.4	23.0	70	1977*
16	77.7	25.4	82.0	27.8	88	73.3	22.9	70	1969
17	78.5	25.8	83.1	28.4	88	73.9	23.3	68	1974*
18	78.2	25.7	83.0	28.3	86	73.5	23.1	69	1974*
19	78.2	25.7	82.5	28.1	88	73.9	23.3	68	1960
20	77.9	25.5	82.0	27.8	87	73.8	23.2	71	1974
21	77.7	25.4	82.1	27.8	85	73.3	22.9	68	1974
22	78.0	25.6	82.6	28.1	86	73.5	23.1	67	1977*
23	77.8	25.4	82.3	27.9	87	73.2	22.9	69	1968
24	77.9	25.5	82.1	27.8	84	73.6	23.1	69	1977*
25	77.4	25.2	81.8	27.7	86	73.0	22.8	69	1957
26	77.5	25.3	82.1	27.8	90	73.0	22.8	70	1969
27	77.4	25.2	81.9	27.7	85	72.9	22.7	68	1969
28	77.6	25.3	82.1	27.8	86	73.1	22.8	66	1969
29	77.6	25.3	82.4	28.0	87	72.8	22.7	65	1969*
30	77.4	25.2	82.2	27.9	89	72.6	22.6	69	1969
31	77.1	25.1	81.7	27.6	90	72.5	22.5	69	1969
Monthly	78.1	25.6	82.7	28.2	91	73.5	23.1	65	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
22519

KANEIHE BAY, HAWAII
STATION NAME

1945-1949 1952-1955 9999-9999
YEARS

NOVEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	77.1	25.1	81.7	27.6	90	32.2	1973	72.5	22.5	69	20.6	1946
2	77.4	25.2	81.9	27.7	88	31.1	1969	72.9	22.7	69	20.6	1976
3	77.0	25.0	81.6	27.6	87	30.6	1969	72.4	22.4	68	20.0	1961
4	76.5	24.7	81.0	27.2	83	28.3	1969*	72.1	22.3	67	19.4	1971*
5	77.0	25.0	81.8	27.7	86	30.0	1973	72.3	22.4	68	20.0	1970
6	76.6	24.8	81.0	27.2	87	30.6	1968	72.2	22.3	68	20.0	1947
7	76.2	24.6	80.7	27.1	87	30.6	1968	71.7	22.1	68	20.0	1971*
8	76.3	24.6	80.7	27.1	85	29.4	1977*	71.8	22.1	67	19.4	1948
9	76.5	24.7	80.9	27.2	85	29.4	1977*	72.0	22.2	67	19.4	1972
10	76.1	24.5	80.7	27.1	84	28.9	1977*	71.5	21.9	65	18.3	1948
11	76.7	24.8	81.0	27.2	89	31.7	1968	72.4	22.4	67	19.4	1973
12	76.6	24.8	80.7	27.1	86	30.0	1968	72.6	22.6	68	20.0	1952
13	76.5	24.7	80.4	26.9	85	29.4	1968	72.6	22.6	68	20.0	1974*
14	75.9	24.4	80.5	26.9	84	28.9	1977	71.2	21.8	67	19.4	1971
15	75.6	24.2	80.3	26.8	84	28.9	1977*	71.0	21.7	63	17.2	1946
16	76.1	24.5	80.5	26.9	85	29.4	1945	71.8	22.1	66	18.9	1974*
17	76.5	24.7	80.8	27.1	89	31.7	1977	72.2	22.3	67	19.4	1974*
18	76.2	24.6	80.8	27.1	86	30.0	1977	71.7	22.1	67	19.4	1974*
19	76.3	24.6	80.9	27.2	88	31.1	1977	71.7	22.1	67	19.4	1952
20	76.0	24.4	80.4	26.9	85	29.4	1954	71.6	22.0	62	16.7	1952
21	76.0	24.4	80.2	26.8	86	30.0	1977	71.7	22.1	66	18.9	1970
22	75.7	24.3	80.0	26.7	86	30.0	1954	71.3	21.8	66	18.9	1970
23	75.4	24.1	80.1	26.7	85	29.4	1977*	70.7	21.5	64	17.8	1970
24	75.3	24.1	79.4	26.3	84	28.9	1972*	71.2	21.8	64	17.8	1970
25	75.6	24.2	80.0	26.7	85	29.4	1977	71.1	21.7	67	19.4	1972
26	75.1	23.9	79.3	26.3	87	30.6	1977	70.8	21.6	65	18.3	1972
27	75.3	24.1	80.0	26.7	86	30.0	1977*	70.6	21.4	66	18.9	1972*
28	74.9	23.8	79.2	26.2	83	28.3	1977	70.6	21.4	66	18.9	1972
29	74.7	23.7	79.0	26.1	89	31.7	1977	70.4	21.3	65	18.3	1972
30	75.2	24.0	79.8	26.6	86	30.0	1977	70.5	21.4	65	18.3	1972
31												
Monthly	76.1	24.5	80.5	26.9	90	32.2	1973	71.6	22.0	62	16.7	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1972

22519
STATION

KANEQUE BAY, HAWAII
STATION NAME

1945-1949 1952-1953 9999-9999
YEARS

DECEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	° F	° C	AVERAGE ° F	° C	EXTREME ° F	AVERAGE ° F	° C	EXTREME ° F	
1	73.6	24.2	80.0	26.7	90	71.1	21.7	64	17.8 1972
2	73.2	24.0	79.9	26.6	87	70.6	21.4	66	18.9 1970
3	75.0	23.9	79.0	26.1	82	70.9	21.6	66	18.9 1972
4	74.7	23.7	78.7	25.9	84	70.7	21.5	66	18.9 1962
5	74.8	23.8	79.7	26.5	84	70.0	21.1	67	19.4 1971*
6	74.2	23.4	78.1	25.6	83	70.2	21.2	66	18.9 1954
7	74.6	23.7	79.0	26.1	85	70.1	21.2	65	18.3 1972
8	74.4	23.6	79.1	26.2	87	69.7	20.9	64	17.8 1973*
9	74.0	23.3	78.5	25.8	85	69.6	20.9	64	17.8 1973
10	73.7	23.2	78.0	25.6	83	69.5	20.8	63	17.2 1973
11	74.2	23.4	78.8	26.0	85	69.6	20.9	64	17.8 1952
12	73.5	23.1	77.4	25.2	82	69.7	20.9	64	17.8 1972*
13	73.9	23.3	77.7	25.4	81	70.1	21.2	64	17.8 1972*
14	73.6	23.1	77.5	25.3	84	69.7	20.9	63	17.2 1947
15	73.8	23.2	77.8	25.4	83	69.8	21.0	62	16.7 1947
16	74.0	23.3	79.0	26.1	87	69.0	20.6	66	18.9 1969*
17	73.0	22.8	77.0	25.0	81	69.0	20.6	63	18.3 1971*
18	73.1	22.8	78.1	25.6	81	68.1	20.1	65	18.3 1973*
19	73.2	22.9	77.8	25.4	84	68.5	20.3	64	17.8 1972
20	73.4	23.0	77.7	25.4	83	69.2	20.7	64	17.8 1946
21	73.5	23.1	78.0	25.6	84	69.0	20.6	65	18.3 1962*
22	73.7	23.2	78.2	25.7	84	69.2	20.7	64	17.8 1975
23	73.7	23.2	78.1	25.6	83	69.3	20.7	65	18.3 1962*
24	73.5	23.1	77.5	25.3	82	69.4	20.8	64	17.8 1948
25	73.4	23.0	77.9	25.5	85	68.8	20.4	64	17.8 1948
26	73.6	23.1	78.5	25.8	85	68.7	20.4	60	15.6 1946
27	73.1	22.8	77.5	25.3	82	68.6	20.3	63	17.2 1969
28	73.4	23.0	78.0	25.6	85	68.8	20.4	63	17.2 1953
29	73.1	22.8	78.1	25.6	82	68.1	20.1	62	16.7 1970
30	73.3	22.9	78.0	25.6	83	68.6	20.3	64	17.8 1946
31	73.1	22.8	77.9	25.5	81	68.3	20.2	62	16.7 1952
Monthly	73.9	23.3	78.3	25.7	90	69.4	20.8	60	15.6 1946

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

22519 STATION KANEHE BAY, HAWAII
 45-49, 52-55, 57-65, 68-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				83	85	83		84	84	84	83	83	
46		82	79	78		82	84	85	85	86	82	81	
47	78	81	83	80	80	83	85	84	87	84	83	80	87
48		81	79	82	81	84	83	85	86	84	82	78	
49	82		78										
52							82	83	82	84	83	81	
53	82	81	82	81	82	82	82	85	84	83	81	81	85
54	80	81	80	82	81	83	83	84	88	87	86	82	88
55	82	82	82	80	82	86	83	83					
57										88	86	83	
58	82	84	83	83	80	83	84	84	85	87	85	82	
59						85	86	86	85				
60	82	82	84	81	84	86	86	86	87	88	84	83	88
61	83	84	82	82	83	85	84	85	86	86	82	81	86
62	83	84	82	84	84	84	83	85	85	86	83	82	86
63	81	83	83	83	82	83	84	86	86	85	84	84	86
64	81	80	80	82	81	83	84	85	86	84	84	82	86
65													
66						84	85	85	86	91	89	84	
69	81	83	82	80	87	90	87	88	86	90	89	85	90
70	84	85	81	81	83	83	85	85	90	87	86	84	90
71	82	83	86	81	83	83	84	85	87	85	84	84	87
72	81	84	87	83	84	86	83	89	90	90	84	83	90
73	85	81	81	83	83	84	85	87	88	87	90	84	90
74	87	88	86	84	85	87	88	89	91	88	85	84	91
75	86	81	83	87	84	84	83	85	89	85	84	87	89
76	83	81	80	81	81	83	82	84		87	83	81	
77	84	85	82	81	81	83	84	87	88	90	89	90	90
MEAN	82.5	82.7	82.0	81.9	82.7	84.1	84.1	85.4	86.6	86.5	86.7	83.0	88.1
S. D.	2.064	1.932	2.319	1.849	1.826	1.625	1.541	1.604	2.150	2.246	2.458	2.440	1.948
TOTAL OBS.	620	593	682	660	651	720	744	775	690	744	720	744	8343

20

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

 22519 STATION KANEHE BAY, HAWAII
 45-49, 52-55, 57-65, 68-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				64	68	71		70	71	69	68	64	
46		65	66	65		67	69	69	70	67	63	60	
47	60	61	63	62	67	69	69	70	70	69	67	62	60
48		60	63	61	67	68	69	70	68	69	65	64	
49	60		64				69	70	70	67	62	62	
52							67	69	69	69	68	63	
53	65	62	64	66	67	70	69	68	68	69	68	64	60
54	63	62	60	66	66	69	69	68					
55	60	62	60	66	68	67	69	69					
57										71	70	64	
58	64	63	63	62	67	71	70	71	73	70	70	68	
59						72	73	72	74	72	70	67	
60	65	64	65	68	68	73	73	72	73	72	70	67	64
61	61	66	68	66	69	71	72	72	72	70	67	67	61
62	67	61	64	68	68	71	70	72	71	70	71	65	61
63	64	66	65	66	66	71	71	74	73	71	69	68	64
64	68	67	66	68	69	71	71	71	73	68	69	66	66
65													
68						71	74	73	71	73	70	68	
69	63	65	65	66	68	69	73	72	72	72	68	63	63
70	62	63	67	66	69	70	72	73	71	69	64	62	62
71	60	62	62	64	67	67	67	68	69	68	67	63	60
72	60	60	65	68	69	67	66	69	68	65	65	64	60
73	60	62	64	63	65	67	69	68	70	69	67	63	60
74	67	67	65	67	67	70	70	69	71	71	66	69	65
75	65	64	64	67	69	68	68	70	70	67	67	64	64
76	66	60	61	66	68	70	71	72	72	70	67	65	
77	65	67	67	67	68	70	72	72	72	72	71	66	65
MEAN	63.3	63.3	64.1	65.5	67.6	69.6	70.2	70.6	70.9	69.5	67.5	64.6	62.3
S. D.	2.731	2.373	2.122	2.064	1.117	1.767	1.978	1.777	1.743	1.911	2.413	2.318	2.193
TOTAL OBS.	620	593	682	660	651	720	744	775	660	744	720	744	8313

NAVWEASERVCOM

STATION NAME
KANEHOE BAY, HAWAII

45-49, 52-55, 57-65, 68-77

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

PSYCHROMETRIC SUMMARY

22519

KANEIHE BAY, HAWAII

73-77

JAN

MONTH

YEARS

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMP											WET DEPRESSION (F)											TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb						
86/ 85							.1											1	1						
84/ 83						.2	.6											13	13						
82/ 81					.3	1.7	.6											32	32						
80/ 79		.1	.2	.6	2.3	3.9	.6											94	94						
78/ 77		.1	.2	3.0	7.1	2.0	.2											157	157	1					
76/ 75		.3	2.5	10.0	6.1	1.3	.2	.1										253	253	7					
74/ 73		1.7	4.7	10.3	2.7	1.6	.3											264	264	47					
72/ 71	.1	3.6	7.7	3.6	1.1	1.4	.2											220	220	205					
70/ 69	.3	5.2	3.6	2.1	.6	.2	.1											149	149	419					
68/ 67	.2	2.1	1.5	.3														50	50	330					
66/ 65		.2		.1														3	3	125					
64/ 63		.1	.1															2	2	72					
62/ 61		.1																1	1	29					
60/ 59																				4					
58/ 57																				22					
56/ 55																				17					
54/ 53																				11					
52/ 51																				1					
TOTAL	.613	.420	.329	.920	.312	.3	2.9	.3										1239	1239	1239					

NAWEASERVCOM

PSYCHROMETRIC SUMMARY

22519
STATION

STATION NAME
KANEHOE BAY, HAWAII

73-77

YEARS

MAR
MONTH

525

PSYCHROMETRIC SUMMA

JAN 68

PAGE 1
HOURS (L.S.Y.)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY

JAN 68

73-77

KANEHOE BAY, HAWAII

22519

STATION

YEARS

APR

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		
86 / 85									.2									2	2		
84 / 83																		1	1		
82 / 81					.1	.4	.2	.3										11	11		
80 / 79				.2	1.6	2.1	1.8	1.2	.1									83	83		
78 / 77			1.5	3.4	5.9	3.2	.1											169	169		
76 / 75	.1	.5	4.8	6.6	4.6	2.1	.2											226	226	6	
74 / 73	.1	2.7	6.9	9.5	5.2	.4												299	299	80	
72 / 71	.2	4.3	7.4	5.5	3.1	.2												250	250	199	
70 / 69	.3	3.6	3.4	1.2	.3	.2	.1											111	111	347	
68 / 67	.5	1.0	.6	.2		.1	.2	.1										32	32	175	
66 / 65	.1	.1	.4	.2	.1	.1												12	12	238	
64 / 63	.1	.2																4	4	187	
62 / 61																				7	
60 / 59																				157	
58 / 57																				6	
56 / 55																				59	
54 / 53																				3	
52 / 51																				2	
50 / 49																				1	
46 / 45																				4	
44 / 43																				1	
TOTAL	1.4	12.5	25.2	28.3	21.8	8.3	2.0	.3										1200	1200	1200	
	</																				

NAVWEASERVCOM

0101

Mean No. of Hours with Temperature

≥ 0 F

≥ 32 F

≥ 67 F

≥ 73 F

≥ 80 F

≥ 93 F

Total

720.0

720.0

720.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

73-77

KANEHOE BAY, HAWAII

22519

STATION

YEAR

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		D.B./W.B.	TOTAL		Wet Bulb	Dew Point								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		22	23			24	25	26	27	28	29	30	≥ 31
86/ 85								.2					.3																				2		
84/ 83								.2					.3																				11		
82/ 81						.9	2.2			1.5		.3	.2																				61		
80/ 79					.3	4.0	5.0			3.3		.6																				158			
78/ 77				.3	1.8	5.9	8.1			2.5		.1																				224		2	
76/ 75				1.3	5.3	11.2	3.8			.7																						267		27	
74/ 73	.1			2.1	10.4	12.5	2.6																									332		30	
72/ 71				2.8	4.1	3.2	.3																									124		117	
70/ 69	.2			.6	.8	.1																										19		420	
68/ 67					.1																												1		222
66/ 65																																		56	225
64/ 63																																			146
62/ 61																																			55
60/ 59																																			9
TOTAL	.3			7.0	22.8	37.8	22.4	8.4	1.3	.2																						1199	1199	1199	

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

22519

STATION

KANEHOE BAY, HAWAII

STATION NAME

73-77

YEARS

JUL

MONTH

PAGE 1

HOURS (L.S.T.)

555 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
88/ 87													.1																					1			
86/ 85											.3		.2	.4																			12				
84/ 83											.8		.7	.2																			25				
82/ 81									.2	3.7	2.5	.5	.1																				87				
80/ 79					.5	5.3	7.9	2.4																									200				
78/ 77			.2	4.0	8.5	8.1	.2																										263				
76/ 75	.1	2.9	9.5	11.6	3.1	.2																											339		35	2	
74/ 73	.2	4.6	9.5	4.5																													234		306	58	
72/ 71	.5	1.7	3.0	.2	.2																												70		457	205	
70/ 69	.1	.6	.1																														9		369	378	
68/ 67																																		68		389	
66/ 65																																		4		167	
64/ 63																																		1		34	
62/ 61																																				3	
60/ 59																																				4	
TOTAL	.910	.026	.630	.523	.3	6.5	1.5	.7																									1240		1240	1240	

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

73-77

KANEDHE BAY, HAWAII

22519

STATION

STATION NAME

YEARS

MONTH

AUG

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
88/ 87							.2	.2	.1									5	5			
86/ 85							.3	.2										19	19			
84/ 83				.1	1.0	3.0	.9	.1										63	63			
82/ 81			.2	1.6	6.9	5.9	.7											189	189			
80/ 79		.2	1.5	5.9	9.4	2.0												234	234			
78/ 77		1.0	6.7	14.0	7.4	.6	.1											370	370	12		
76/ 75	.1	2.1	7.7	7.0	1.3	.2												228	228	105		
74/ 73	.2	2.5	4.6	1.0	.4													111	111	432		
72/ 71	.3	.7	.6															21	21	482		
70/ 69																				190		
68/ 67																				14		
66/ 65																				5		
64/ 63																						
62/ 61																						
60/ 59																						
TOTAL	.6	6.5	21.5	29.7	26.5	12.4	2.2	.5	.1									1240	1240	1240		

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

22519

KANEIHE BAY, HAWAII

73-77

STATION

STATION NAME

YEARS

SEP

MONTH

PAGE 1

HOURS (L.S.T.)

1955 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89								.1	.3	.2								1	1		
88/ 87					.1	.1	.3	.3	.2									10	10		
86/ 85			.1		.2	1.2	.7	.3	.1									30	30		
84/ 83				.6	2.3	2.6	1.2	.3										82	82		
82/ 81			.7	2.8	5.7	3.9	1.0	.1										168	168	1	
80/ 79		.1	1.8	7.3	8.2	2.1	.1											233	233	2	1
78/ 77		.9	7.6	11.1	6.2	1.3	.3	.2										329	329	22	6
76/ 75	.1	3.2	6.5	8.1	2.6	.8	.5											258	258	135	25
74/ 73	.4	2.3	2.0	1.3		.3	.1											76	76	438	131
72/ 71	.2	.2																4	4	372	279
70/ 69		.1																1	1	161	333
68/ 67																				39	240
66/ 65																				14	110
64/ 63																				8	37
62/ 61																					7
60/ 59																					12
58/ 57																					7
56/ 55																					3
54/ 53																					1
TOTAL	.7	6.7	18.6	31.0	25.3	12.2	4.0	1.3	.3									1192	1192	1192	1192
																		1192			
				</																	

NAWEASERVCOM

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

22519 KANEHOE BAY, HAWAII

73-77

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87					.1		.2	.2	.1	.1								3	3		
86/ 85							.2	.2	.1									6	6		
84/ 83			.1	.4	.4	1.9	1.3	.2										53	53		
82/ 81			.6	1.5	2.7	3.3	2.1	.1										128	128		
80/ 79	.1		1.0	7.1	7.6	1.9	.3											222	222	3	1
78/ 77		.5	5.1	10.6	10.6	1.5	.1											350	350	18	4
76/ 75		3.8	8.1	8.1	4.8	1.9												330	330	62	19
74/ 73	.2	2.6	3.1	2.3	.3	1.0												118	118	386	89
72/ 71	.2	1.0	.2	.2	.1	.3												25	25	380	233
70/ 69					.2	.1												4	4	264	335
68/ 67					.1													1	1	89	258
66/ 65																				22	154
64/ 63																				8	80
62/ 61																				7	36
60/ 59																				1	16
58/ 57																					9
56/ 55																					5
54/ 53																					1
TOTAL	.5	7.9	18.1	30.2	226.9	11.9	4.0	.4	.1									1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6996421	92347	74.5	9.801	1240	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	7454265	96079	77.5	2.808	1240					174.0		744.0
Wet Bulb	6341046	88620	71.5	2.472	1240					721.2		744.0
Dew Point	5826957	84895	68.5	3.448	1240					563.4		744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

22519

KANEHOE BAY, HAWAII

73-77

DEC

YEARS

05

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87							.1											1	1		
86/ 85							.1											2	2		
84/ 83			.2			.1	.2	.2										8	8		
82/ 81			.1	.2	.2	1.0	.6	.2										27	27		
80/ 79		.2	.3	1.1	2.8	3.6	.6	.2										110	110	2	1
78/ 77		.2	1.1	3.1	7.5	2.0	.6	.5										185	185	4	2
76/ 75		.8	4.2	10.7	7.1	2.1	1.3	.8										333	333	10	5
74/ 73		1.5	4.6	9.9	2.7	1.9	1.7	.6										282	282	68	16
72/ 71		2.4	4.1	3.6	1.2	2.3	1.5	.2										187	187	205	48
70/ 69		1.7	2.1	.4	.6	.6	.2	.2										73	73	388	139
68/ 67		.5	.3	.2	.2	.2	.2											17	17	275	282
66/ 65		.2	.2	.2	.2	.1												8	8	102	285
64/ 63																				81	168
62/ 61																				60	87
60/ 59																				30	40
58/ 57																				8	46
56/ 55																					48
54/ 53																					31
52/ 51																					20
50/ 49																					10
48/ 47																					5
TOTAL		7.4	17.4	29.1	22.3	13.9	7.0	2.9										1233	1233	1233	1233
									</												

NAVWEASERVCOM

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 93 F		
Rel. Hum.	6518241	88507	71.8	11.574	1233							
Dry Bulb	6900458	92160	74.7	3.121	1233						50.1	744.0
Wet Bulb	5763631	84197	68.3	3.386	1233						50.7	744.0
Dew Point	5182770	79706	64.6	4.955	1233						25.9	744.0

PSYCHROMETRIC SUMMARY

22519
STATION

STATION NAME
KANEHOE BAY, HAWAII

73-77

YEARS

ALL
MONTH

PAGE

PAGE 1
HOURS (L.S.T.)

535

PSYCHROMETRIC SUMMARY JAN 68

JAN 68



Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL			
																		TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89																		2	2		
88/ 87																		20	20		
86/ 85																		83	83		
84/ 83																		293	293		
82/ 81																		794	794	1	
80/ 79																		1619	1619	8	4
78/ 77																		2717	2717	63	15
76/ 75																		3146	3146	426	79
74/ 73																		2831	2831	2244	489
72/ 71																		1823	1823	3417	1564
70/ 69																		820	820	4050	2891
68/ 67																		321	321	2529	3656
66/ 65																		95	95	1104	2666
64/ 63																		20	20	465	1562
62/ 61																		4	4	186	837
60/ 59																				69	390
58/ 57																				22	176
56/ 55																				3	125
54/ 53																				1	71
52/ 51																					42
50/ 49																					15
48/ 47																					5
46/ 45																					1
44/ 43																					1
TOTAL																		14588	14588	14589	14589

Element (X)	ΣX ²	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	85042368	1103748	75.7	10.264	14589	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	63076123	1099581	75.4	3.650	14588							8760.0
Wet Bulb	71167763	1017975	69.8	3.005	14588							8760.0
Dew Point	65442842	975528	66.9	3.610	14589							8760.0

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22519 KANEIHE BAY, HAWAII		73-77												ANNUAL	
STATION		YEARS													
HRS.(LST.)	MEAN S. D. TOTAL OBS	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.		
02	71.9 2.676 155	70.9 2.917 141	70.2 2.295 155	71.6 2.316 150	72.1 1.882 155	73.3 1.553 150	74.1 1.614 155	75.7 1.706 155	76.1 1.566 149	75.5 1.641 155	73.8 2.167 149	72.9 2.359 154	73.2 2.787 1823		
05	71.6 2.700 155	70.5 2.842 140	70.0 2.362 155	71.3 2.281 150	71.9 1.817 155	72.9 1.597 149	73.9 1.678 155	75.3 1.753 155	75.7 1.627 149	75.0 1.852 155	73.5 2.117 150	72.5 2.495 154	72.9 2.786 1822		
08	72.1 2.884 155	71.0 2.861 141	71.5 2.448 155	73.5 2.379 150	74.5 2.004 155	75.7 1.970 150	76.3 2.102 155	77.7 1.638 155	78.1 1.801 149	76.8 1.818 155	74.4 2.191 149	73.2 2.531 154	74.6 3.204 1823		
11	76.8 2.837 155	75.4 3.048 141	75.0 2.799 155	76.5 2.847 150	77.3 2.275 155	78.4 2.481 150	79.3 2.366 155	80.9 2.079 155	81.6 2.756 149	80.8 1.968 155	78.5 2.851 150	77.4 2.301 154	78.2 3.282 1824		
14	78.0 2.979 155	76.0 3.336 141	75.9 2.959 155	77.0 2.820 150	78.0 1.895 155	79.2 2.108 150	80.1 2.232 155	81.7 2.028 155	82.1 2.255 149	80.8 2.124 155	78.9 3.113 150	78.2 2.526 154	78.8 3.218 1824		
17	75.8 2.500 155	74.4 3.054 141	74.2 2.976 155	75.5 2.293 150	76.1 2.042 155	77.5 1.899 150	78.5 2.077 155	80.1 1.782 155	79.9 1.822 149	78.5 1.752 155	76.7 2.250 150	76.1 2.218 154	77.0 2.941 1824		
20	73.6 2.249 154	72.3 2.651 141	71.7 2.500 155	73.1 2.045 150	73.7 1.773 155	74.8 1.495 150	75.5 1.588 155	77.0 1.374 155	77.2 1.560 149	76.5 1.846 155	75.0 2.008 150	74.2 2.193 154	74.6 2.601 1823		
23	72.7 2.505 155	71.5 2.703 141	70.9 2.368 155	72.4 2.044 150	72.8 1.932 155	74.0 1.483 150	74.9 1.672 155	76.3 1.606 155	76.6 1.471 149	76.1 1.744 155	74.4 2.119 150	73.4 2.221 155	73.8 2.698 1825		
ALL HOURS	74.1 3.540 1239	72.8 3.577 1127	72.4 3.353 1240	73.9 3.163 1200	74.6 2.938 1240	75.7 2.898 1199	76.6 2.973 1240	78.1 2.912 1240	78.4 3.012 1192	77.5 2.808 1240	75.6 3.082 1198	74.7 3.121 1233	75.4 3.651 14588		

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

KANEHUE BAY, HAWAII

22519

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN 67.5 S. D. 2.592 TOTAL OBS 155	MEAN 66.7 S. D. 2.900 TOTAL OBS 141	MEAN 66.7 S. D. 2.455 TOTAL OBS 155	MEAN 67.7 S. D. 2.517 TOTAL OBS 150	MEAN 68.0 S. D. 2.109 TOTAL OBS 155	MEAN 69.1 S. D. 1.940 TOTAL OBS 150	MEAN 70.3 S. D. 1.728 TOTAL OBS 155	MEAN 71.3 S. D. 1.707 TOTAL OBS 155	MEAN 71.2 S. D. 2.172 TOTAL OBS 149	MEAN 70.4 S. D. 2.283 TOTAL OBS 155	MEAN 69.2 S. D. 2.436 TOTAL OBS 149	MEAN 67.3 S. D. 3.355 TOTAL OBS 154	MEAN 68.8 S. D. 2.878 TOTAL OBS 1823
05	MEAN 67.4 S. D. 2.581 TOTAL OBS 155	MEAN 66.3 S. D. 3.021 TOTAL OBS 140	MEAN 66.5 S. D. 2.416 TOTAL OBS 155	MEAN 67.2 S. D. 2.695 TOTAL OBS 150	MEAN 67.8 S. D. 1.999 TOTAL OBS 155	MEAN 69.0 S. D. 1.993 TOTAL OBS 149	MEAN 70.1 S. D. 1.641 TOTAL OBS 155	MEAN 71.0 S. D. 1.734 TOTAL OBS 155	MEAN 71.1 S. D. 2.057 TOTAL OBS 149	MEAN 70.1 S. D. 2.355 TOTAL OBS 155	MEAN 68.9 S. D. 2.571 TOTAL OBS 150	MEAN 67.0 S. D. 3.353 TOTAL OBS 154	MEAN 68.6 S. D. 2.914 TOTAL OBS 1822
08	MEAN 67.8 S. D. 2.461 TOTAL OBS 155	MEAN 66.8 S. D. 2.981 TOTAL OBS 141	MEAN 67.5 S. D. 2.193 TOTAL OBS 155	MEAN 68.4 S. D. 2.700 TOTAL OBS 150	MEAN 69.1 S. D. 2.088 TOTAL OBS 155	MEAN 70.3 S. D. 1.987 TOTAL OBS 150	MEAN 71.3 S. D. 1.607 TOTAL OBS 155	MEAN 72.2 S. D. 1.585 TOTAL OBS 155	MEAN 72.5 S. D. 1.866 TOTAL OBS 149	MEAN 71.4 S. D. 2.198 TOTAL OBS 155	MEAN 70.0 S. D. 2.485 TOTAL OBS 149	MEAN 68.0 S. D. 3.226 TOTAL OBS 154	MEAN 69.6 S. D. 2.978 TOTAL OBS 1823
11	MEAN 69.9 S. D. 2.349 TOTAL OBS 155	MEAN 68.7 S. D. 3.025 TOTAL OBS 141	MEAN 69.0 S. D. 2.184 TOTAL OBS 155	MEAN 69.9 S. D. 2.552 TOTAL OBS 150	MEAN 70.3 S. D. 2.052 TOTAL OBS 155	MEAN 71.3 S. D. 2.206 TOTAL OBS 150	MEAN 72.4 S. D. 1.513 TOTAL OBS 155	MEAN 73.3 S. D. 1.484 TOTAL OBS 155	MEAN 73.9 S. D. 1.801 TOTAL OBS 149	MEAN 73.3 S. D. 1.864 TOTAL OBS 155	MEAN 71.7 S. D. 2.235 TOTAL OBS 150	MEAN 69.9 S. D. 3.141 TOTAL OBS 154	MEAN 71.1 S. D. 2.812 TOTAL OBS 1824
14	MEAN 70.2 S. D. 2.284 TOTAL OBS 155	MEAN 68.7 S. D. 2.794 TOTAL OBS 141	MEAN 69.2 S. D. 2.239 TOTAL OBS 155	MEAN 70.1 S. D. 2.458 TOTAL OBS 150	MEAN 70.7 S. D. 1.975 TOTAL OBS 155	MEAN 71.5 S. D. 2.091 TOTAL OBS 150	MEAN 72.6 S. D. 1.520 TOTAL OBS 155	MEAN 73.5 S. D. 1.572 TOTAL OBS 155	MEAN 73.9 S. D. 1.746 TOTAL OBS 149	MEAN 73.0 S. D. 1.980 TOTAL OBS 155	MEAN 71.6 S. D. 2.532 TOTAL OBS 150	MEAN 70.1 S. D. 3.301 TOTAL OBS 154	MEAN 71.3 S. D. 2.773 TOTAL OBS 1824
17	MEAN 69.1 S. D. 2.284 TOTAL OBS 155	MEAN 67.9 S. D. 2.876 TOTAL OBS 141	MEAN 68.5 S. D. 2.336 TOTAL OBS 155	MEAN 69.3 S. D. 2.384 TOTAL OBS 150	MEAN 69.8 S. D. 1.892 TOTAL OBS 155	MEAN 70.8 S. D. 2.096 TOTAL OBS 150	MEAN 72.1 S. D. 1.419 TOTAL OBS 155	MEAN 72.9 S. D. 1.268 TOTAL OBS 155	MEAN 72.8 S. D. 1.717 TOTAL OBS 149	MEAN 72.0 S. D. 1.959 TOTAL OBS 155	MEAN 70.6 S. D. 2.516 TOTAL OBS 150	MEAN 68.7 S. D. 2.958 TOTAL OBS 154	MEAN 70.4 S. D. 2.747 TOTAL OBS 1824
20	MEAN 68.3 S. D. 2.359 TOTAL OBS 154	MEAN 67.2 S. D. 2.841 TOTAL OBS 141	MEAN 67.4 S. D. 2.112 TOTAL OBS 155	MEAN 68.2 S. D. 2.443 TOTAL OBS 150	MEAN 68.8 S. D. 1.948 TOTAL OBS 155	MEAN 69.8 S. D. 1.962 TOTAL OBS 150	MEAN 70.7 S. D. 1.666 TOTAL OBS 155	MEAN 71.9 S. D. 1.393 TOTAL OBS 155	MEAN 71.4 S. D. 2.297 TOTAL OBS 149	MEAN 71.0 S. D. 2.445 TOTAL OBS 155	MEAN 70.0 S. D. 2.409 TOTAL OBS 150	MEAN 67.9 S. D. 3.202 TOTAL OBS 154	MEAN 69.4 S. D. 2.783 TOTAL OBS 1823
23	MEAN 67.9 S. D. 2.382 TOTAL OBS 155	MEAN 67.0 S. D. 2.740 TOTAL OBS 141	MEAN 67.1 S. D. 2.441 TOTAL OBS 155	MEAN 67.9 S. D. 2.677 TOTAL OBS 150	MEAN 68.3 S. D. 2.080 TOTAL OBS 155	MEAN 69.5 S. D. 1.945 TOTAL OBS 150	MEAN 70.5 S. D. 1.645 TOTAL OBS 155	MEAN 71.6 S. D. 1.765 TOTAL OBS 155	MEAN 71.4 S. D. 2.280 TOTAL OBS 149	MEAN 70.6 S. D. 2.548 TOTAL OBS 155	MEAN 69.7 S. D. 2.444 TOTAL OBS 150	MEAN 67.4 S. D. 3.121 TOTAL OBS 155	MEAN 69.1 S. D. 2.859 TOTAL OBS 1825
ALL HOURS	MEAN 68.5 S. D. 2.617 TOTAL OBS 1239	MEAN 67.4 S. D. 3.011 TOTAL OBS 1127	MEAN 67.7 S. D. 2.490 TOTAL OBS 1240	MEAN 68.6 S. D. 2.734 TOTAL OBS 1200	MEAN 69.1 S. D. 2.250 TOTAL OBS 1240	MEAN 70.2 S. D. 2.216 TOTAL OBS 1199	MEAN 71.3 S. D. 1.848 TOTAL OBS 1240	MEAN 72.2 S. D. 1.785 TOTAL OBS 1240	MEAN 72.3 S. D. 2.284 TOTAL OBS 1192	MEAN 71.5 S. D. 2.473 TOTAL OBS 1240	MEAN 70.2 S. D. 2.633 TOTAL OBS 1198	MEAN 68.3 S. D. 3.387 TOTAL OBS 1233	MEAN 69.8 S. D. 3.006 TOTAL OBS 14588

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

KANEODHE BAY, HAWAII

22519

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS	65.1 3.592 155	64.2 3.808 141	64.7 3.312 155	65.5 3.417 150	65.7 2.938 155	66.9 2.718 150	68.3 2.427 155	69.0 2.439 155	68.7 3.343 149	67.6 3.482 155	64.0 5.114 154	66.4 3.801 1823
05	MEAN S. D. TOTAL OBS	65.1 3.482 155	63.9 4.101 140	64.6 3.260 155	65.0 3.786 150	65.6 2.912 155	66.9 2.659 149	68.2 2.283 155	68.8 2.368 155	68.7 3.190 149	67.5 3.576 155	63.7 5.063 154	66.2 3.871 1822
08	MEAN S. D. TOTAL OBS	65.5 3.352 155	64.4 4.145 141	65.3 2.969 155	65.6 3.897 150	66.3 3.036 155	67.5 2.790 150	68.8 2.283 155	69.5 2.331 155	69.8 2.814 149	68.6 3.208 155	65.0 4.803 154	67.0 3.797 1824
11	MEAN S. D. TOTAL OBS	66.3 3.361 155	65.0 4.133 141	65.8 3.030 155	66.4 3.666 150	66.7 3.118 155	67.8 2.939 150	69.1 2.368 155	69.7 2.352 155	70.5 2.728 149	69.8 3.027 155	65.9 4.801 154	67.6 3.729 1824
14	MEAN S. D. TOTAL OBS	66.2 3.358 155	64.7 3.869 141	65.7 3.068 155	66.5 3.658 150	67.0 2.919 155	67.7 3.008 150	69.2 2.390 155	69.6 2.408 155	70.1 2.774 149	69.4 3.078 155	65.7 5.038 154	67.5 3.751 1824
17	MEAN S. D. TOTAL OBS	65.5 3.208 155	64.3 3.834 141	65.5 3.163 155	66.0 3.429 150	66.6 2.767 155	67.4 2.944 150	69.0 2.129 155	69.4 2.132 155	69.5 2.713 149	68.8 2.976 155	64.6 4.718 154	67.0 3.677 1824
20	MEAN S. D. TOTAL OBS	65.4 3.349 154	64.3 3.830 141	65.0 2.996 155	65.4 3.613 150	66.1 2.892 155	67.1 2.731 150	68.4 2.366 155	69.4 2.218 155	68.6 3.572 149	68.2 3.683 155	64.2 4.927 154	66.6 3.788 1823
23	MEAN S. D. TOTAL OBS	65.2 3.485 155	64.5 3.561 141	65.0 3.334 155	65.5 3.894 150	65.8 3.000 155	67.2 2.674 150	68.3 2.347 155	69.3 2.652 155	68.7 3.569 149	67.8 3.811 155	64.0 4.804 155	66.6 3.843 1825
ALL HOURS	MEAN S. D. TOTAL OBS	65.5 3.419 1239	64.4 3.913 1127	65.2 3.161 1240	65.7 3.695 1200	66.2 2.976 1240	67.3 2.821 1199	68.7 2.351 1240	69.4 2.376 1240	69.3 3.178 1192	68.5 3.448 1240	64.6 4.956 1233	66.9 3.811 14589

RELATIVE HUMIDITY

22519
STATION

KANEDHE BAY, HAWAII STATION NAME

73-77

PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	02	100.0	100.0	100.0	100.0	100.0	96.8	85.8	49.0	12.9	79.7	155
	05	100.0	100.0	100.0	100.0	100.0	98.1	89.0	52.9	14.2	80.6	155
	08	100.0	100.0	100.0	100.0	100.0	96.8	83.2	51.6	16.8	80.4	155
	11	100.0	100.0	100.0	100.0	100.0	86.5	48.4	14.8	5.2	70.7	155
	14	100.0	100.0	100.0	100.0	96.8	74.2	30.3	12.9	3.9	67.7	155
	17	100.0	100.0	100.0	100.0	100.0	89.7	52.3	13.5	1.3	70.9	155
	20	100.0	100.0	100.0	100.0	100.0	95.5	76.0	29.2	7.1	76.2	154
	23	100.0	100.0	100.0	100.0	100.0	94.8	78.7	42.6	11.6	78.1	155
TOTALS		100.0	100.0	100.0	100.0	99.6	91.6	68.0	33.3	9.1	75.5	1239

RELATIVE HUMIDITY

STATION
22519

KANEHOE BAY, HAWAII
STATION NAME

73-77

PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	02	100.0	100.0	100.0	100.0	100.0	95.7	85.1	51.8	13.5	80.0	141
	05	100.0	100.0	100.0	100.0	100.0	97.2	82.3	57.4	13.5	80.3	141
	08	100.0	100.0	100.0	100.0	99.3	95.0	85.8	51.8	17.0	80.3	141
	11	100.0	100.0	100.0	100.0	99.3	82.3	50.4	15.6	2.8	70.6	141
	14	100.0	100.0	100.0	100.0	97.2	82.3	44.0	11.3	2.8	68.7	141
	17	100.0	100.0	100.0	100.0	99.3	87.9	56.7	15.6	4.3	71.4	141
	20	100.0	100.0	100.0	100.0	99.3	94.3	76.6	36.2	2.8	76.5	141
	23	100.0	100.0	100.0	100.0	100.0	97.9	87.9	45.4	6.4	78.8	141
TOTALS		100.0	100.0	100.0	100.0	99.3	91.6	71.1	35.6	7.9	75.8	1128

MAR
MONTH

RELATIVE HUMIDITY

STATION
22519

STATION NAME
KANEDHE BAY, HAWAII

73-77

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	02	100.0	100.0	100.0	100.0	100.0	100.0	86.7	58.7	13.3	81.6	150
	05	100.0	100.0	100.0	100.0	100.0	98.0	85.3	52.7	15.3	81.0	150
	08	100.0	100.0	100.0	100.0	99.3	95.3	75.3	39.3	7.3	77.2	150
	11	100.0	100.0	100.0	100.0	99.3	85.3	52.0	22.7	7.3	71.8	150
	14	100.0	100.0	100.0	100.0	98.0	83.3	50.0	16.0	4.7	70.7	150
	17	100.0	100.0	100.0	100.0	100.0	88.7	58.0	23.3	3.3	72.8	150
	20	100.0	100.0	100.0	100.0	100.0	98.0	76.7	39.3	4.7	77.4	150
	23	100.0	100.0	100.0	100.0	99.3	99.3	78.7	54.0	12.7	79.7	150
TOTALS		100.0	100.0	100.0	100.0	99.5	93.5	70.3	38.3	8.6	76.5	1200

RELATIVE HUMIDITY

22519

KANEODHE BAY, HAWAII

73-77

PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	02	100.0	100.0	100.0	100.0	100.0	99.4	90.3	51.0	9.7	80.7	155
	05	100.0	100.0	100.0	100.0	100.0	99.4	89.7	52.9	14.2	81.3	155
	08	100.0	100.0	100.0	100.0	100.0	97.4	74.8	27.7	6.5	76.0	155
	11	100.0	100.0	100.0	100.0	98.7	85.2	51.6	11.0	2.6	70.4	155
	14	100.0	100.0	100.0	100.0	99.4	85.8	43.2	8.4	1.9	69.5	155
	17	100.0	100.0	100.0	100.0	100.0	94.2	67.1	14.8	1.9	72.8	155
	20	100.0	100.0	100.0	100.0	100.0	98.1	85.8	35.5	5.8	77.7	155
	23	100.0	100.0	100.0	100.0	100.0	99.4	85.8	45.8	9.7	79.2	155

MONTH
JUN

NAVWEASERVCOM

RELATIVE HUMIDITY

STATION
22519

STATION NAME
KANEHOE BAY, HAWAII

STATION NAME

73-77

PERIOD

JUL
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	02	100.0	100.0	100.0	100.0	100.0	100.0	94.6	63.9	8.4	82.3	155
	05	100.0	100.0	100.0	100.0	100.0	100.0	96.6	63.9	13.5	82.9	155
	08	100.0	100.0	100.0	100.0	100.0	100.0	83.2	38.7	9.0	78.1	155
	11	100.0	100.0	100.0	100.0	100.0	90.3	56.1	13.5	1.9	71.6	155
	14	100.0	100.0	100.0	100.0	100.0	88.4	52.9	9.7	.6	70.1	155
	17	100.0	100.0	100.0	100.0	100.0	96.1	61.9	14.2	1.9	73.0	155
	20	100.0	100.0	100.0	100.0	100.0	99.4	88.4	44.5	5.2	79.1	155
	23	100.0	100.0	100.0	100.0	100.0	100.0	91.6	51.6	6.5	80.1	155
TOTALS		100.0	100.0	100.0	100.0	100.0	96.8	78.2	37.5	5.9	77.2	1240

RELATIVE HUMIDITY

22519
STATION

STATION NAME
KANEDHE BAY, HAWAII

73-77

PERIOD

AUG
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
AUG	02	100.0	100.0	100.0	100.0	100.0	100.0	92.3	49.7	6.5	80.1	155
	05	100.0	100.0	100.0	100.0	100.0	100.0	92.3	51.0	10.3	80.8	155
	08	100.0	100.0	100.0	100.0	100.0	98.1	82.6	30.3	2.6	76.5	155
	11	100.0	100.0	100.0	100.0	99.4	91.6	40.0	7.1	1.3	69.2	155
	14	100.0	100.0	100.0	100.0	98.7	86.5	29.0	5.2	1.9	67.2	155
	17	100.0	100.0	100.0	100.0	100.0	94.8	43.2	5.8	1.9	70.4	155
	20	100.0	100.0	100.0	100.0	100.0	99.4	85.2	34.8	3.2	78.0	155
	23	100.0	100.0	100.0	100.0	100.0	98.7	90.3	45.8	9.0	79.3	155
TOTALS		100.0	100.0	100.0	100.0	99.8	96.1	69.4	28.7	4.6	75.2	1240

RELATIVE HUMIDITY

STATION
22519

STATION NAME
KANEODHE BAY, HAWAII

73-77

STATION NAME

PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	02	100.0	100.0	100.0	100.0	99.3	97.3	88.6	40.3	8.1	76.5	149
	05	100.0	100.0	100.0	100.0	100.0	97.3	88.6	39.6	14.1	79.6	149
	08	100.0	100.0	100.0	100.0	100.0	98.7	75.2	31.5	3.4	76.4	149
	11	100.0	100.0	100.0	100.0	98.7	85.2	40.9	14.8	2.7	69.9	149
	14	100.0	100.0	100.0	100.0	97.3	84.6	35.6	6.7	2.0	67.8	149
	17	100.0	100.0	100.0	100.0	99.3	90.6	45.0	10.7	3.4	71.1	149
	20	100.0	100.0	100.0	100.0	99.3	92.6	75.8	28.2	4.7	75.4	149
	23	100.0	100.0	100.0	100.0	99.3	95.3	83.9	36.9	6.0	77.3	149
TOTALS		100.0	100.0	100.0	100.0	99.2	92.7	66.7	26.1	5.6	74.5	1192

150
MONTH

22529
STATION

STATION NAME
KANEHOE BAY, HAWAII

73-77

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	02	100.0	100.0	100.0	100.0	98.7	95.3	81.2	45.6	14.1	79.0	149
	05	100.0	100.0	100.0	100.0	98.7	96.0	82.7	43.3	15.3	79.3	150
	08	100.0	100.0	100.0	100.0	98.7	95.3	82.6	48.3	16.1	80.2	149
	11	100.0	100.0	100.0	100.0	100.0	83.3	56.7	22.7	6.7	72.2	150
	14	100.0	100.0	100.0	100.0	96.7	82.7	50.0	16.0	6.0	70.3	150
	17	100.0	100.0	100.0	100.0	99.3	90.0	64.7	27.3	4.0	73.8	150
	20	100.0	100.0	100.0	100.0	99.3	93.3	79.3	41.3	8.0	77.7	150
	23	100.0	100.0	100.0	100.0	99.3	94.0	83.3	46.0	10.7	79.1	150

STATION
22519

KANE OHE BAY, HAWAII

73-77

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	02	100.0	100.0	100.0	100.0	96.1	85.7	73.4	34.4	5.8	74.6	154
	05	100.0	100.0	100.0	100.0	96.1	88.3	74.0	34.4	5.8	74.9	154
	06	100.0	100.0	100.0	100.0	98.1	88.3	74.0	39.6	8.4	76.4	154
	11	100.0	100.0	100.0	100.0	94.8	77.9	40.9	13.6	1.9	68.5	154
	14	100.0	100.0	100.0	100.0	90.3	70.1	33.1	12.3	1.3	66.5	154
	17	100.0	100.0	100.0	99.4	92.9	83.8	46.1	11.0	.6	68.3	154
	20	100.0	100.0	100.0	100.0	96.1	85.1	61.7	20.1	3.2	71.8	154
	23	100.0	100.0	100.0	100.0	96.1	87.1	65.8	25.8	4.5	73.3	153
TOTALS		100.0	100.0	100.0	99.9	95.1	83.3	58.6	23.9	3.9	71.8	1233

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

22519
STATIONKANEHOE BAY, HAWAII
STATION NAME

73-77

PERIOD

ALL
MONTHCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.6	91.6	68.0	33.3	9.1	75.5	1239
FEB		100.0	100.0	100.0	100.0	99.3	91.6	71.1	35.6	7.9	75.8	1128
MAR		100.0	100.0	100.0	100.0	99.8	96.0	79.5	48.1	10.7	78.8	1240
APR		100.0	100.0	100.0	100.0	99.5	93.5	70.3	38.3	8.6	76.5	1200
MAY		100.0	100.0	100.0	100.0	99.8	94.9	73.5	30.9	6.5	76.0	1240
JUN		100.0	100.0	100.0	100.0	99.9	96.0	75.1	29.8	3.2	75.8	1199
JUL		100.0	100.0	100.0	100.0	100.0	96.8	78.2	37.5	5.9	77.2	1240
AUG		100.0	100.0	100.0	100.0	99.8	96.1	69.4	28.7	4.6	75.2	1240
SEP		100.0	100.0	100.0	100.0	99.2	92.7	66.7	26.1	5.6	74.5	1192
OCT		100.0	100.0	100.0	100.0	99.8	92.6	66.4	26.3	4.6	74.5	1240
NOV		100.0	100.0	100.0	100.0	98.8	91.2	72.6	36.3	10.1	76.5	1198
DEC		100.0	100.0	100.0	99.9	95.1	83.3	58.6	23.9	3.9	71.8	1232
TOTALS		100.0	100.0	100.0	100.0	99.2	93.0	70.8	32.9	6.7	75.7	14589

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

 STATION
22519

 STATION NAME
KANEHOE BAY, HAWAII

 YEARS
JAN 1973 - DEC 1977

 MONTH
JANUARY

 HOURS (L.S.T.)
ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	3.7	14.8	29.6	22.2	11.1	3.7	14.8	27	2.2	27	2.2
77 TO 81	9.3	29.3	7.0	13.7	15.2	10.7	3.7	270	21.8	270	21.8
72 TO 76	6.3	12.7	3.5	11.6	7.4	4.2	2.3	637	51.4	637	51.4
67 TO 71	4.7	10.0	2.0	14.0	15.1	8.0	3.0	299	24.1	299	24.1
62 TO 66		20.0			80.0			5	.4	5	.4
57 TO 61								100.0	.1	1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.5	11.3	32.9	4.4	12.8	11.3	6.5	2.2	12.0	1239	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22519
STATION

KANEHOE BAY, HAWAII

JAN 1973 - DEC 1977

FEBRUARY

ALL

STATION NAME

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	12.5	37.5	12.5	25.0					12.5	8	.7
77 TO 81	9.9	13.9	50.3	10.6	7.3	2.6	2.0	.7	2.6	151	13.4
72 TO 76	7.0	22.2	49.2	5.5	4.7	2.7	2.0	1.8	4.8	599	53.1
67 TO 71	2.6	20.5	42.3	4.9	7.2	6.5	2.6	2.9	10.4	307	27.2
62 TO 66	3.2	35.5	16.1	1.6	8.1	19.4	4.6	3.2	8.1	62	5.5
57 TO 61							100.0			1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.0	21.2	45.6	5.9	6.0	4.6	2.4	2.0	6.3	1128	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

KANEHOE BAY, HAWAII

22519
STATION

JAN 1973 - DEC 1977

STATION NAME

YEARS

MARCH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	25.0	12.5	25.0	25.0	7.7	5.6	12.5	8	12.5	143	.6
77 TO 81	7.0	13.3	31.0	6.3	7.0	5.6	2.1	143	2.1	143	11.5
72 TO 76	2.9	9.5	65.7	3.1	3.6	4.2	1.9	1.4	4.7	378	46.6
67 TO 71	4.3	11.3	66.9	2.1	3.3	2.5	2.1	3.7	3.9	486	39.2
62 TO 66	4.0	12.0	16.0	4.0	16.0	8.0	12.0	8.0	20.0	25	2.0
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.1	10.6	64.5	3.2	4.3	4.0	2.6	2.3	4.4	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

22519
STATION

KANEHOE BAY, HAWAII

STATION NAME

JAN 1973 - DEC 1977

YEARS

APRIL

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	VINW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	3.8	20.7	40.0	40.0	20.0	.8	.4	.4		5	.4
72 TO 76	2.1	16.0	68.2	3.8	1.9	1.0	.6	.9	2.7	261	21.8
67 TO 71	8.2	19.2	72.2	3.1	1.3	2.9	1.6	2.4	6.5	673	56.1
62 TO 66	12.5	6.3	54.7	1.6	2.9	12.5	12.5	25.0	12.5	245	20.4
57 TO 61			6.3		12.5					16	1.3
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.8	17.5	66.8	3.1	2.0	1.5	.9	1.4	3.0	1200	100.0

1861

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

22519
STATION

KANEHUE BAY, HAWAII

STATION NAME

JAN 1973 - DEC 1977

YEARS

MAY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	11.1	11.1	55.6	11.1	11.1					9	.7
77 TO 81	1.2	18.9	71.6	4.7	2.1		.3	.6	.6	338	27.3
72 TO 76	1.1	9.8	78.7	2.4	2.1	1.4	1.1	1.1	2.4	722	58.2
67 TO 71	1.8	12.4	64.1	4.7	2.9	3.5	2.9		7.6	170	13.7
62 TO 66			100.0							1	.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.3	12.7	74.6	3.4	2.3	1.3	1.1	.6	2.6	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22519

KANEHE BAY, HAWAII

STATION

JAN 1973 - DEC 1977

YEARS

JUNE

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	23.3	46.7	23.3	3.3				3.3		30	2.5
77 TO 81	1.2	20.0	73.2	2.8	1.2	.5	.2	.5		426	35.5
72 TO 76	1.0	11.3	80.7	1.7	.6	.9	1.2	.1	2.5	689	57.5
67 TO 71	1.9	9.3	81.5	3.7	1.9			1.9		54	4.5
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.1	14.6	77.2	2.6	1.0	.8	.8	.3	1.7	1199	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION NAME
KANEHOE BAY, HAWAII

STATION
22519

YEARS
JAN 1973 - DEC 1977

MONTH
JULY

HOURS (L.S.T.)
ALL

WIND DIRECTION

TEMP.	NW & N	NNE & NE	ESE & SE	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		100.0								1	.1
82 TO 86	4.1	14.9	2.7	1.4						74	6.0
77 TO 81	1.0	19.5	.2	.6						513	41.4
72 TO 76	.3	10.4	1.0	.3		.3	.2		1.9	625	50.4
67 TO 71		3.7	7.4	3.7						27	2.2
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.8	14.3	82.3	.9	.6	.2	.1		1.0	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22519
STATION

KANEHOE BAY, HAWAII
STATION NAME

JAN 1973 - DEC 1977
YEARS

AUGUST
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	40.0	60.0								5	.4
82 TO 86	4.3	22.7	66.9	3.9	1.3				.6	154	12.4
77 TO 81	.7	24.1	72.1	.7	.3	.3	.4	.1	1.2	721	58.1
72 TO 76	.8	10.9	79.1	1.4	.3	1.4	1.1	.3	4.7	358	28.9
67 TO 71			100.0							2	.2
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.2	20.2	73.5	1.3	.4	.6	.6	.2	2.2	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

 22519
STATION

KANEHOE BAY, HAWAII

JAN 1973 - DEC 1977

SEPTEMBER

ALL

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	9.1	36.4	36.4	9.1	9.1					11	.9
82 TO 86	8.9	30.0	51.7	9.4						180	15.1
77 TO 81	2.4	18.7	72.5	.9	.2	.6	1.1	.3	3.3	662	55.5
72 TO 76	.6	10.1	58.2	.9	3.6	8.3	4.2	1.8	12.5	337	28.3
67 TO 71		50.0				50.0				2	.2
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.9	18.2	64.0	2.3	1.2	2.6	1.8	.7	5.4	1192	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22519 STATION KANEHOE BAY, HAWAII

JAN 1973 - DEC 1977

OCTOBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	5.1	11.9	66.7	33.3	.8	.8	.8	.8	.8	118	9.2
77 TO 81	2.8	10.5	76.6	3.7	.6	1.2	.6	.8	3.1	641	51.7
72 TO 76	1.3	7.6	70.7	2.2	3.0	2.2	3.3	1.1	8.7	461	37.2
67 TO 71		17.6	23.5		5.9	17.6	5.9		29.4	17	1.4
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.4	9.6	73.2	3.5	1.6	1.8	1.7	.8	5.3	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

KANEIHE BAY, HAWAII

22519

STATION

JAN 1973 - DEC 1977

YEARS

NOVEMBER

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	100.0									1	.1
82 TO 86	8.9	10.7	33.9	30.4	5.4	7.1			3.6	56	4.7
77 TO 81	6.3	15.0	63.6	7.4	3.7	2.6	.5	.5	.3	379	31.6
72 TO 76	2.8	13.8	53.1	4.6	6.1	6.4	4.0	1.0	7.9	668	55.8
67 TO 71	11.7	17.0	8.5	3.2	11.7	9.6	10.6	2.1	25.5	94	7.8
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	4.9	14.4	92.0	6.6	5.8	5.5	3.3	.9	6.7	1198	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

KANEUHE BAY, HAWAII

22519

STATION

JAN 1973 - DEC 1977

YEARS

DECEMBER

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						100.0				1	.1
82 TO 86	4.8	19.0	23.8	23.8	9.5	9.5		4.8	4.8	21	1.7
77 TO 81	6.8	14.8	56.9	6.8	5.8	2.3	1.3	1.0	4.5	311	25.2
72 TO 76	5.0	17.7	50.5	3.4	4.8	5.6	4.3	1.2	7.4	727	59.0
67 TO 71	2.4	15.2	15.8	3.6	15.8	10.3	13.3	2.4	21.2	163	13.4
62 TO 66		12.5	12.5		12.5	12.5	25.0	25.0		8	.6
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	16.6	46.7	4.6	6.7	5.6	4.8	1.5	8.4	1233	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22519 KANEDHE BAY, HAWAII

JAN 1973 - DEC 1977

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

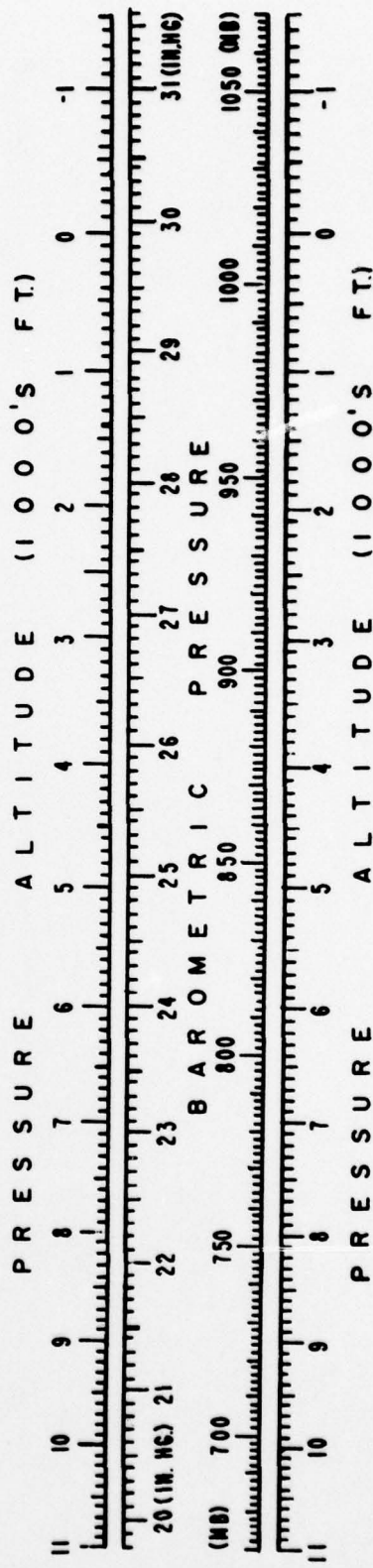
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	4.5	31.8	45.5	9.1	4.5	4.5				22	.2
82 TO 86	6.2	19.1	56.7	11.2	3.2	1.4			1.6	690	4.7
77 TO 81	3.3	17.4	68.0	3.3	2.4	1.9			1.8	4816	33.0
72 TO 76	2.8	13.0	65.3	2.9	3.6	3.4			5.5	7074	48.5
67 TO 71	4.4	14.3	46.2	2.9	7.1	6.3			11.6	1868	12.8
62 TO 66	4.3	23.1	15.4	1.7	10.3	17.9			10.3	117	.8
57 TO 61							50.0	50.0		2	.0
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 5											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.3	15.0	63.0	3.5	3.7	3.3	2.2	1.1	4.9	14589	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

KANEHOE BAY, HAWAII

22519

YEARS

STATION NAME

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	29.957 .094 155	30.041 .080 141	30.049 .094 155	30.056 .057 150	30.049 .049 155	30.030 .043 150	30.029 .040 155	30.009 .048 155	29.983 .051 149	29.995 .050 155	29.985 .075 150	30.001 .080 154	30.015 .073 1824
05	29.941 .097 155	30.020 .082 141	30.026 .094 155	30.035 .057 150	30.035 .049 155	30.021 .043 149	30.018 .041 155	29.994 .049 155	29.966 .051 149	29.980 .050 155	29.964 .077 150	29.987 .082 154	29.999 .074 1823
08	29.977 .098 155	30.056 .081 141	30.065 .095 155	30.076 .057 150	30.072 .049 155	30.055 .044 150	30.051 .040 155	30.027 .050 155	30.001 .053 149	30.015 .050 155	30.000 .076 150	30.022 .083 154	30.035 .074 1824
11	29.994 .098 155	30.078 .081 141	30.085 .094 155	30.091 .057 150	30.080 .048 155	30.062 .045 150	30.057 .040 155	30.038 .052 155	30.013 .053 149	30.028 .052 155	30.012 .074 150	30.035 .083 154	30.048 .075 1824
14	29.918 .094 155	30.014 .083 141	30.030 .095 155	30.049 .055 150	30.046 .046 155	30.032 .044 150	30.029 .038 155	30.004 .052 155	29.965 .052 149	29.970 .051 155	29.946 .076 150	29.966 .081 154	29.997 .079 1824
17	29.923 .093 155	30.001 .083 141	30.012 .094 155	30.025 .056 150	30.023 .046 155	30.008 .042 150	30.005 .039 155	29.980 .051 155	29.950 .052 149	29.964 .050 155	29.950 .073 150	29.968 .080 154	29.984 .074 1824
20	29.967 .093 155	30.042 .078 141	30.053 .093 155	30.065 .055 150	30.059 .046 155	30.038 .041 150	30.034 .039 155	30.013 .050 155	29.991 .052 149	30.009 .049 155	29.994 .074 150	30.011 .079 154	30.023 .072 1824
23	29.982 .093 155	30.067 .079 141	30.081 .094 155	30.093 .055 150	30.086 .046 155	30.067 .043 150	30.061 .038 155	30.041 .049 155	30.014 .051 149	30.026 .049 155	30.008 .078 150	30.029 .080 155	30.046 .074 1825
ALL HOURS	29.957 .098 1240	30.040 .085 1128	30.050 .097 1240	30.061 .061 1200	30.056 .052 1240	30.039 .047 1198	30.036 .043 1240	30.013 .054 1240	29.985 .056 1192	29.998 .053 1240	29.982 .079 1200	30.002 .085 1233	30.018 .077 14592

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

KANEHE BAY, HAWAII

73-77

22519

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS	1015.3 3.186 155	1018.1 2.742 141	1018.4 3.171 155	1018.6 1.907 150	1018.4 1.663 155	1017.8 1.445 150	1017.8 1.330 155	1017.1 1.628 155	1016.2 1.717 149	1016.6 2.536 154	1016.8 2.722 154	1017.3 2.455 1823
05	MEAN S. D. TOTAL OBS	1014.8 3.284 155	1017.4 2.779 141	1017.7 3.174 155	1018.0 1.922 150	1018.0 1.651 155	1017.5 1.456 149	1017.4 1.338 155	1016.6 1.647 155	1015.6 1.737 149	1016.1 2.582 150	1016.3 2.764 154	1016.7 2.480 1823
08	MEAN S. D. TOTAL OBS	1016.0 3.314 155	1018.7 2.728 141	1019.0 3.208 155	1019.4 1.919 150	1019.2 1.635 155	1018.7 1.468 150	1018.5 1.342 155	1017.7 1.699 155	1016.8 1.751 149	1017.3 2.553 150	1017.5 2.801 154	1018.0 2.501 1824
11	MEAN S. D. TOTAL OBS	1016.6 3.296 155	1019.4 2.737 141	1019.7 3.233 155	1019.9 1.943 150	1019.5 1.617 155	1018.8 1.501 150	1018.7 1.332 155	1018.1 1.741 155	1017.2 1.782 149	1017.7 2.517 150	1018.0 2.807 154	1018.4 2.506 1824
14	MEAN S. D. TOTAL OBS	1014.1 3.219 155	1017.2 2.817 141	1017.8 3.217 155	1018.4 1.865 150	1018.3 1.610 155	1017.9 1.488 150	1017.8 1.297 155	1016.9 1.732 155	1015.6 1.777 149	1015.7 2.547 150	1015.6 2.740 154	1016.7 2.651 1824
17	MEAN S. D. TOTAL OBS	1014.2 3.153 155	1016.8 2.795 141	1017.2 3.182 155	1017.6 1.902 150	1017.6 1.569 155	1017.1 1.424 150	1016.9 1.331 155	1016.1 1.733 155	1015.1 1.757 149	1015.6 2.461 150	1015.7 2.682 154	1016.2 2.474 1824
20	MEAN S. D. TOTAL OBS	1015.7 3.145 155	1018.2 2.649 141	1018.6 3.155 155	1019.0 1.871 150	1018.8 1.545 155	1018.1 1.390 150	1017.9 1.316 155	1017.2 1.686 155	1016.4 1.774 149	1016.6 2.493 150	1017.2 2.652 154	1017.6 2.410 1824
23	MEAN S. D. TOTAL OBS	1016.2 3.145 155	1019.1 2.671 141	1019.5 3.181 155	1019.9 1.871 150	1019.7 1.571 155	1019.1 1.444 150	1018.9 1.290 155	1018.1 1.622 155	1017.3 1.717 149	1017.7 2.600 150	1017.7 2.699 155	1018.3 2.487 1825
ALL HOURS	MEAN S. D. TOTAL OBS	1015.3 3.325 1240	1018.1 2.861 1128	1018.5 3.288 1240	1018.9 2.053 1200	1018.7 1.750 1240	1018.1 1.591 1199	1018.0 1.458 1240	1017.2 1.808 1240	1016.3 1.901 1192	1016.2 2.663 1199	1016.9 2.856 1233	1017.4 2.607 14591